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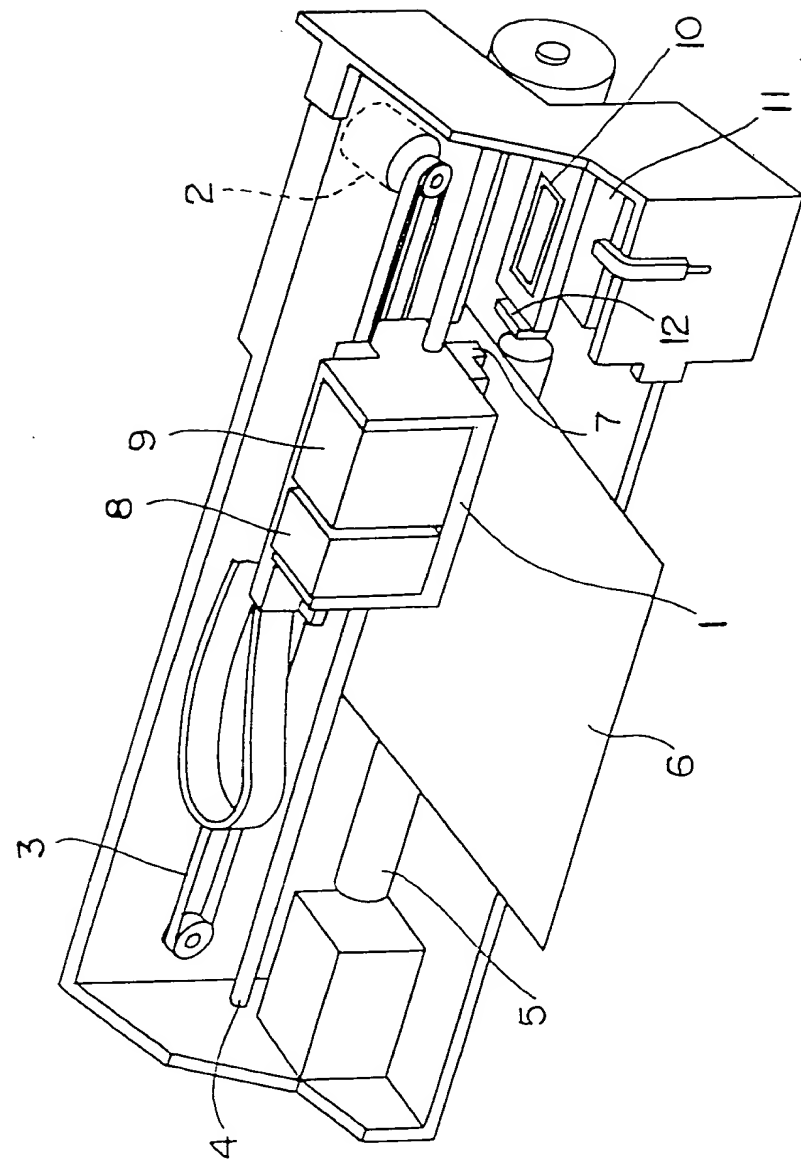
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Fig. 1



[~~Fig. 2~~]

Fig. 2

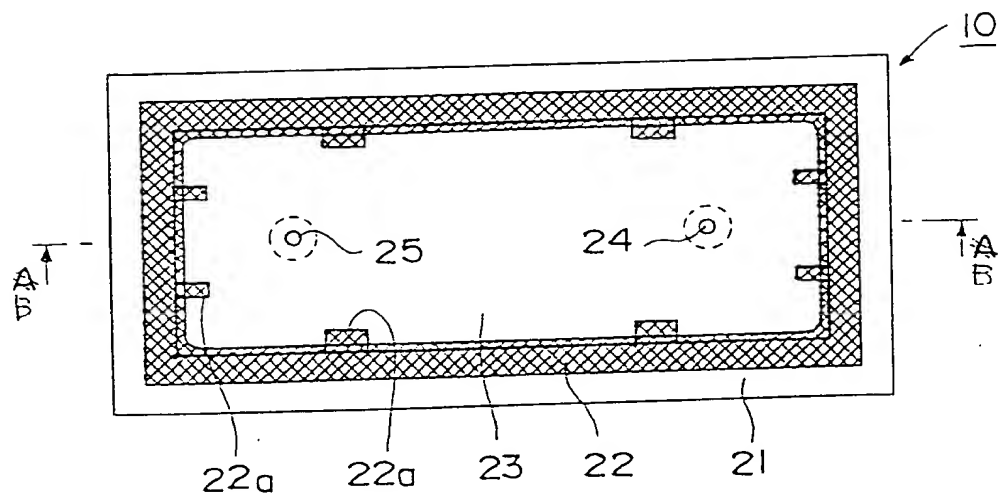
[~~Fig. 3~~]

Fig. 3

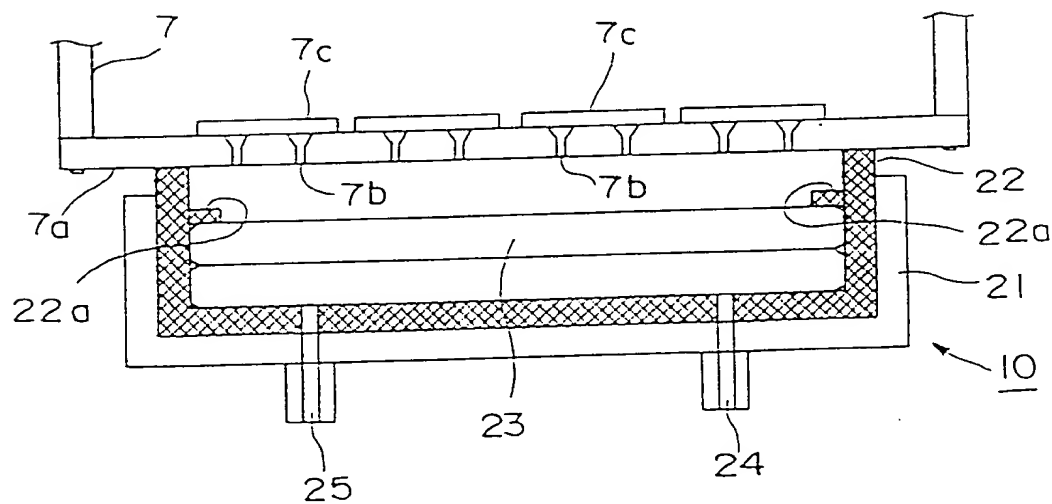


Fig. 4B

~~10T~~

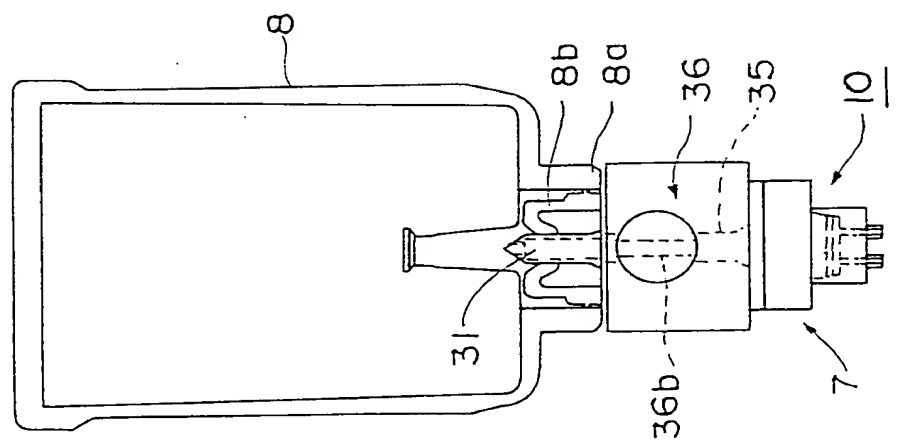
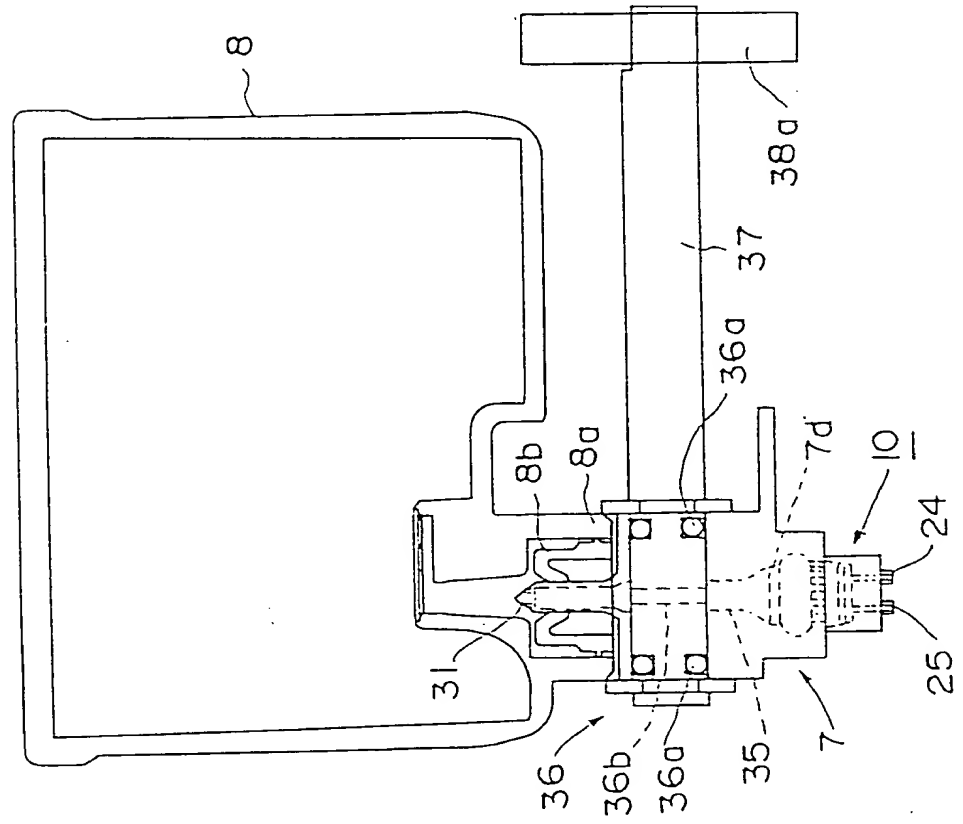


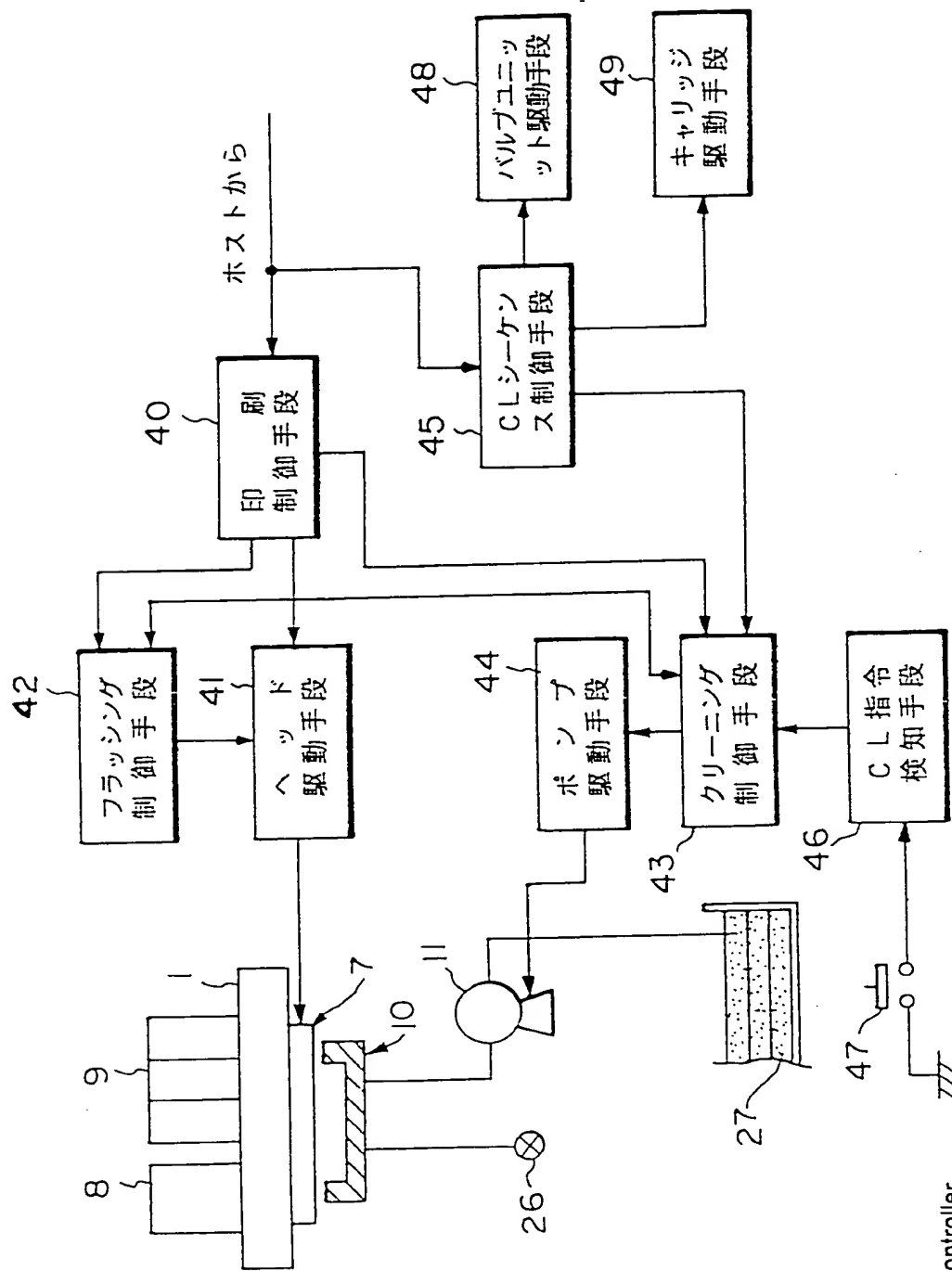
Fig. 4A

~~10T~~



[2]

Fig. 5



40: print controller

41: head driver

42: flushing controller

43: cleaning controller

44: pump driver

45: cleaning sequence controller

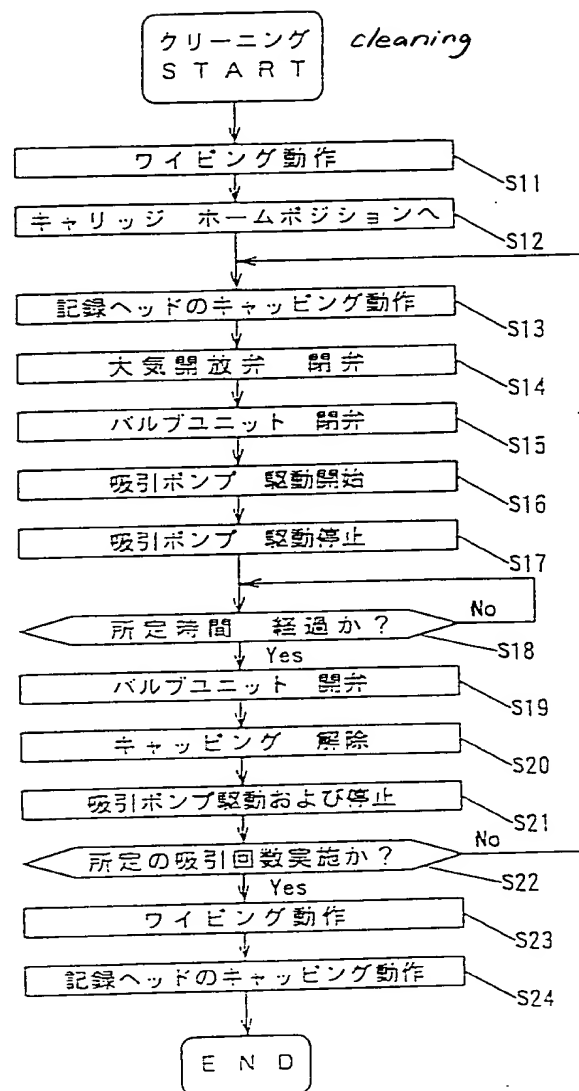
46: cleaning command detector

48: valve unit driver

49: carriage driver

【図6】

Fig. 6



- S11: perform wiping operation
- S12: move carriage to home position
- S13: perform capping operation of recording head
- S14: close air valve
- S15: close valve unit
- S16: start driving suction pump
- S17: stop driving suction pump
- S18: predetermined time period has elapsed?
- S19: open valve unit
- S20: release capping
- S21: drive and stop suction pump
- S22: ink has been sucked predetermined number of times?
- S23: perform wiping operation
- S24: perform capping operation of recording head

Fig. 7

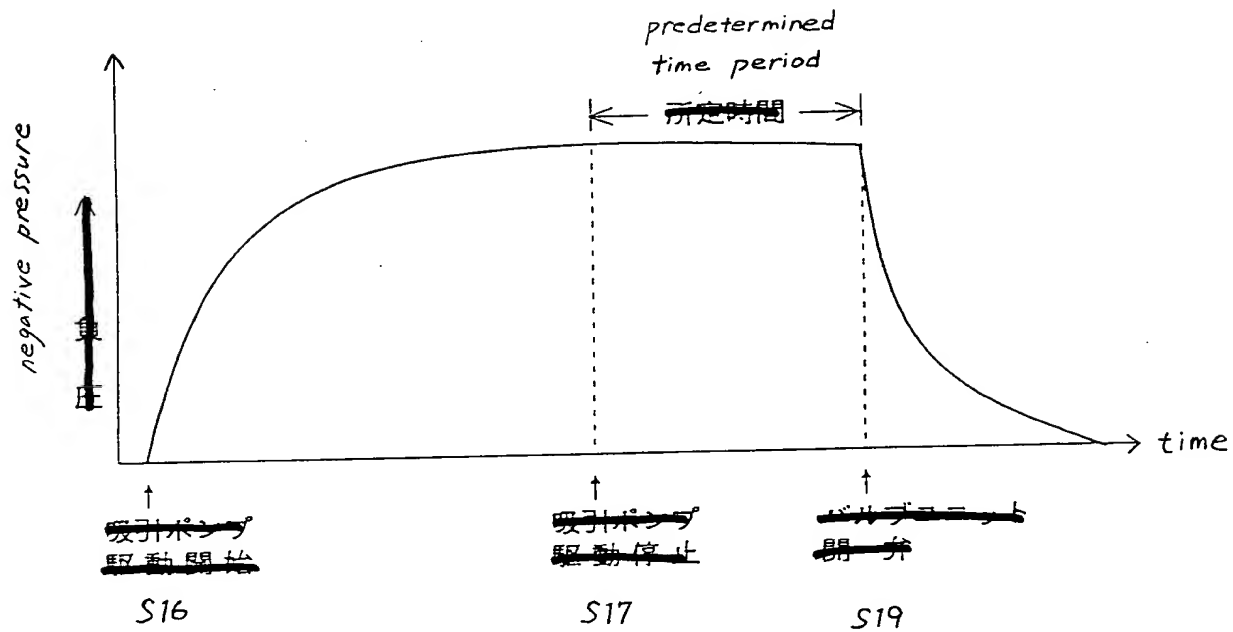
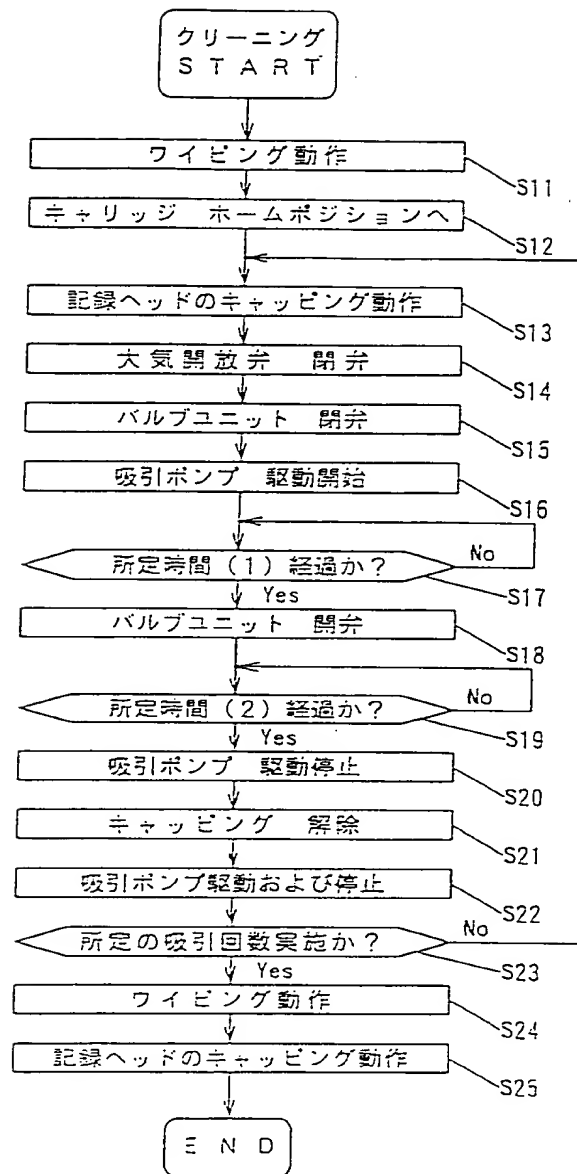


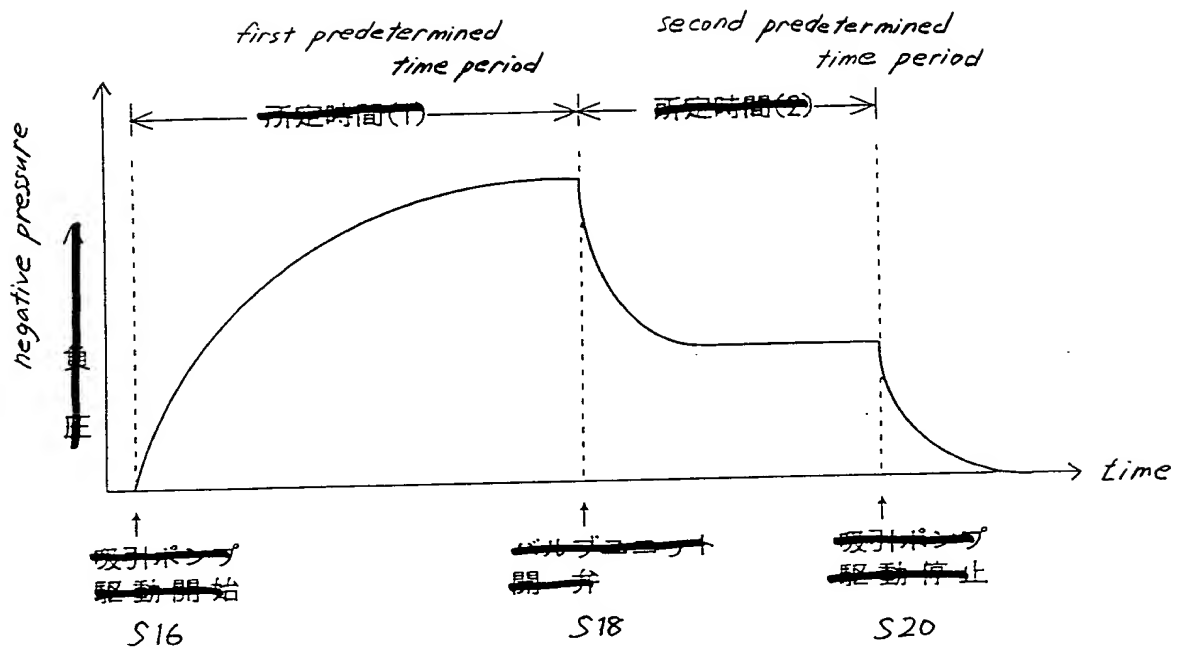
Fig. 8



- S11: perform wiping operation
 S12: move carriage to home position
 S13: perform capping operation of recording head
 S14: close air valve
 S15: close valve unit
 S16: start driving suction pump
 S17: first predetermined time period has elapsed?
 S18: open valve unit
 S19: second predetermined time period has elapsed?
 S20: stop driving suction pump
 S21: release capping
 S22: drive and stop suction pump
 S23: ink has been sucked predetermined number of times?
 S24: perform wiping operation
 S25: perform capping operation of recording head

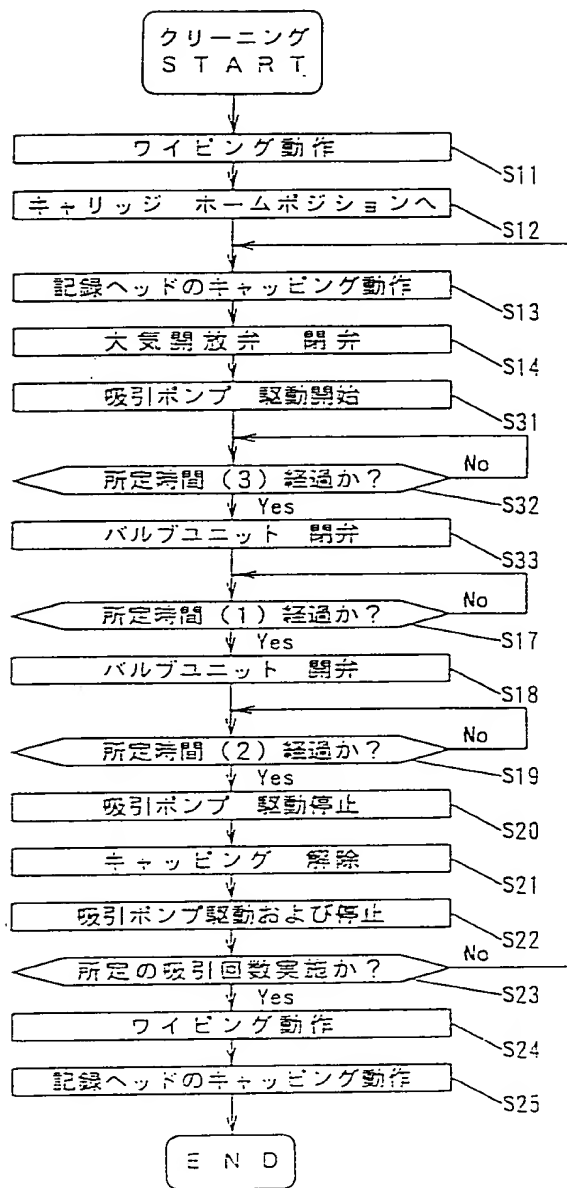
Fig. 9

【図 9】



【図 8】

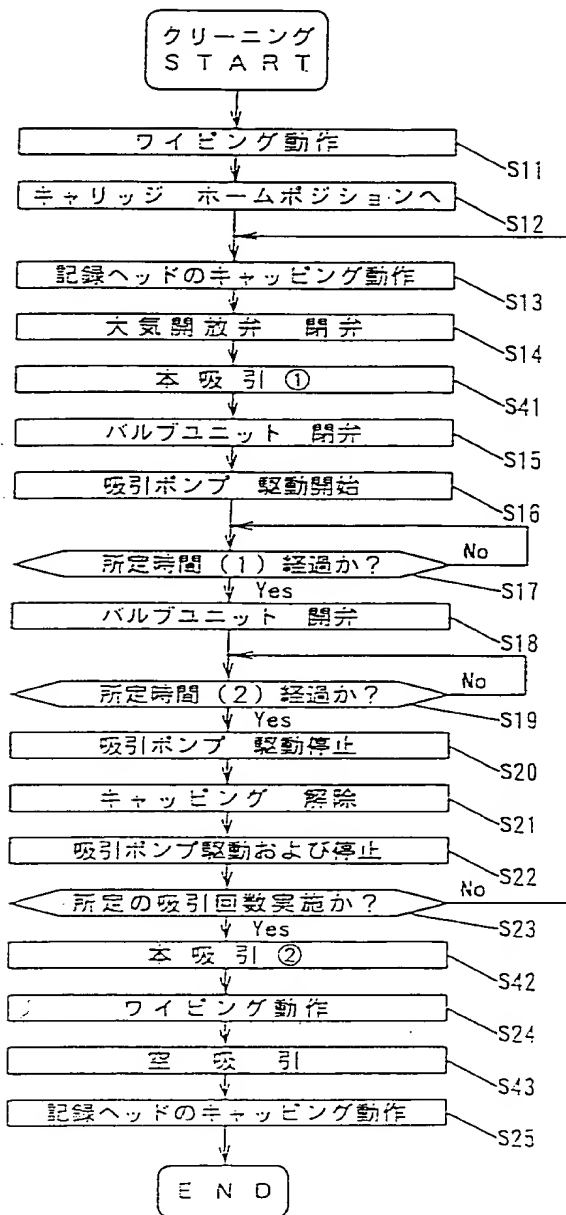
Fig. 10



- S11: perform wiping operation
- S12: move carriage to home position
- S13: perform capping operation of recording head
- S14: close air valve
- S31: start driving suction pump
- S32: third predetermined time period has elapsed?
- S33: close valve unit
- S17: first predetermined time period has elapsed?
- S18: open valve unit
- S19: second predetermined time period has elapsed?
- S20: stop driving suction pump
- S21: release capping
- S22: drive and stop suction pump
- S23: ink has been sucked predetermined number of times?
- S24: perform wiping operation
- S25: perform capping operation of recording head

【図 5】

Fig. 11



- S11: perform wiping operation
 S12: move carriage to home position
 S13: perform capping operation of recording head
 S14: close air valve
 S41: perform first substantial suction
 S15: close valve unit
 S16: start driving suction pump
 S17: first predetermined time period has elapsed?
 S18: open valve unit
 S19: second predetermined time period has elapsed?
 S20: stop driving suction pump
 S21: release capping
 S22: drive and stop suction pump
 S23: ink has been sucked predetermined number of times?
 S42: perform second substantial suction
 S24: perform wiping operation
 S43: perform idle suction
 S25: perform capping operation of recording head

~~12~~
~~12~~

Fig. 12B

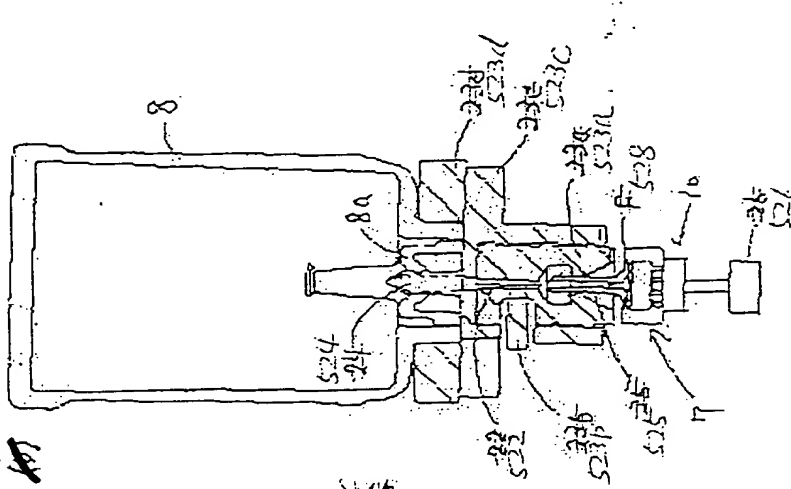
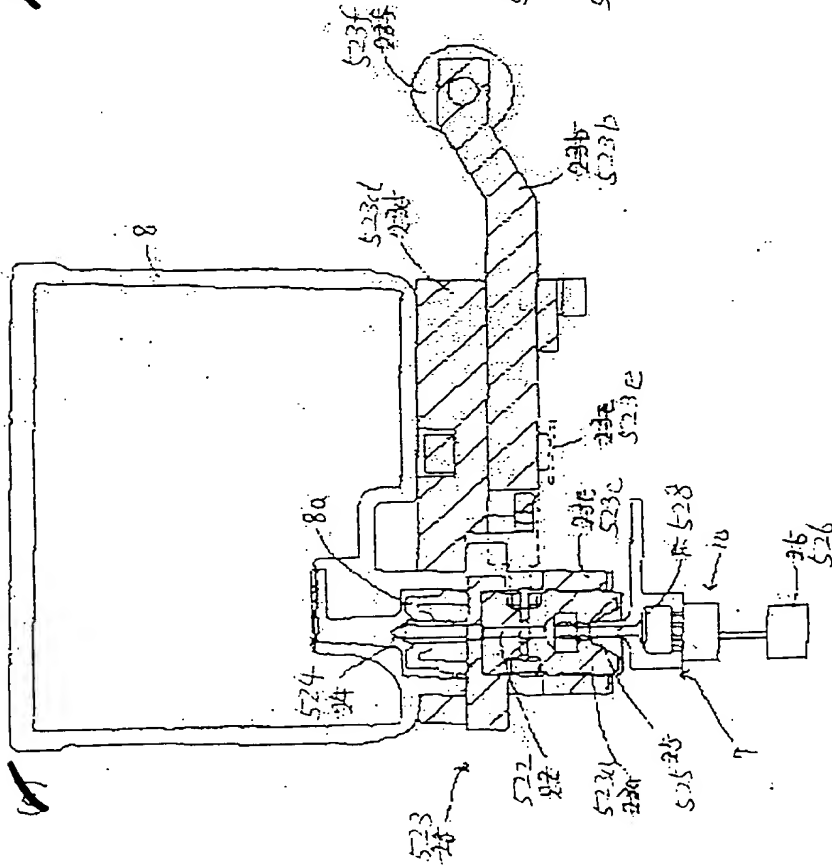
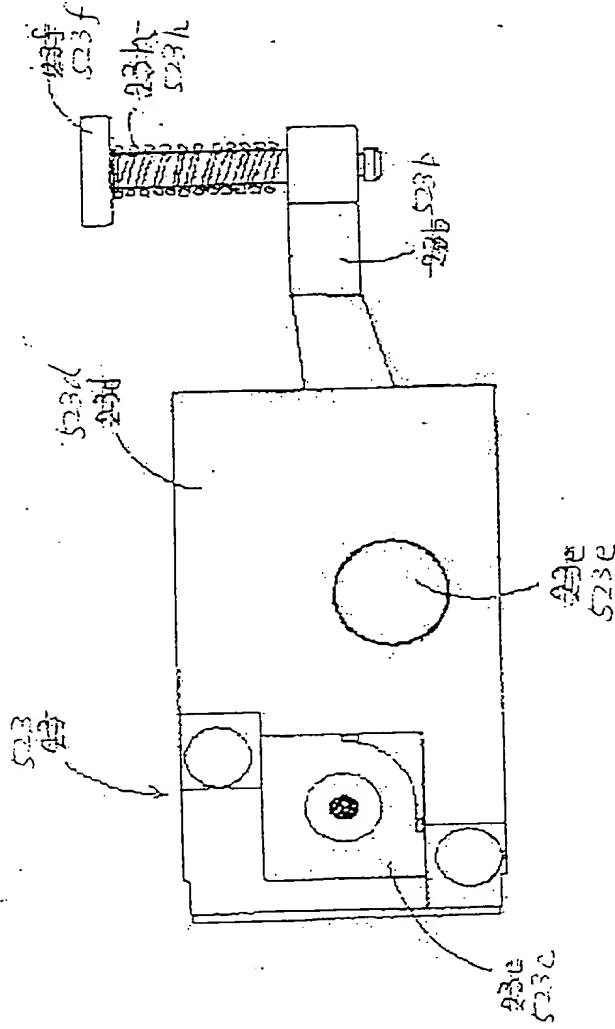


Fig. 12A



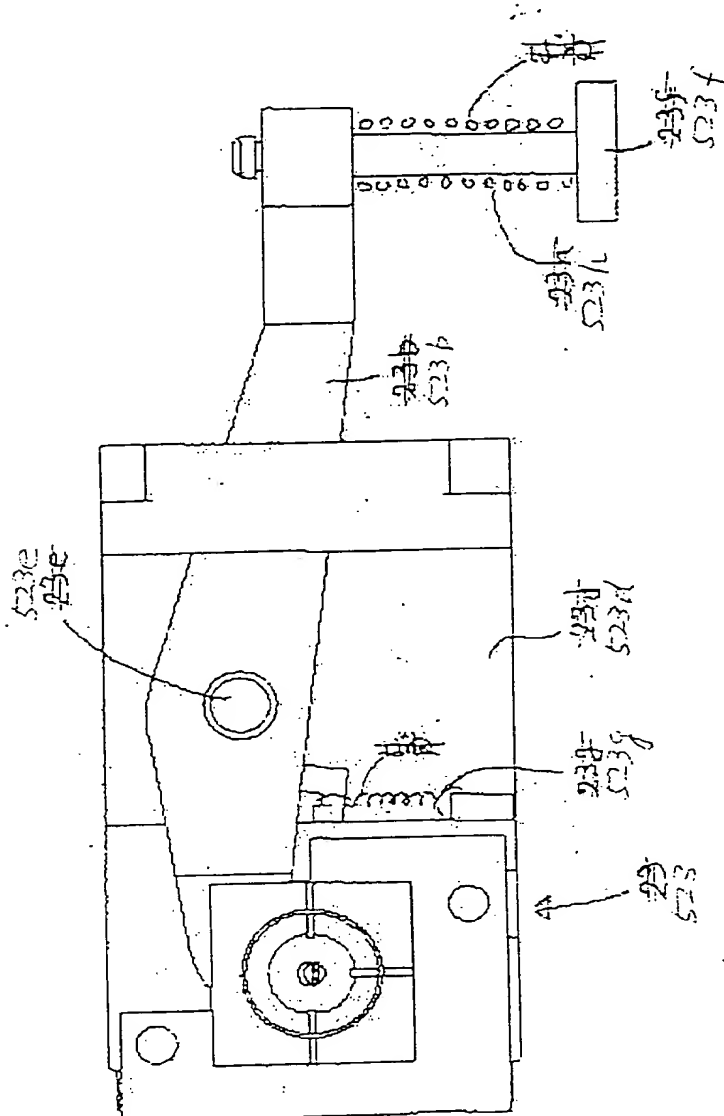
~~13~~
【圖】

Fig. 13



~~図 4~~

Fig. 14



~~【図5】~~

Fig. 15C

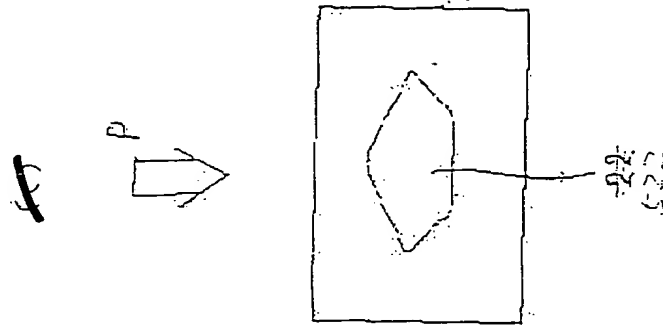


Fig. 15B

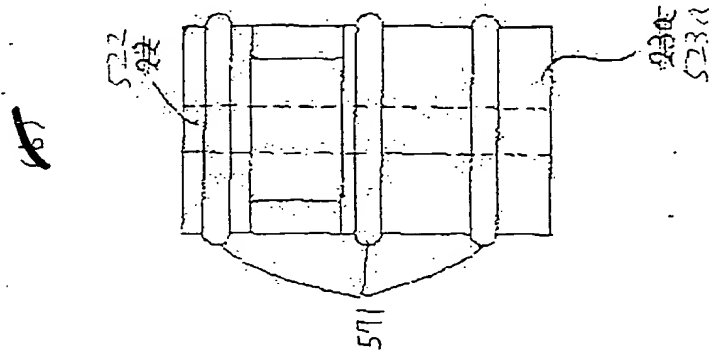
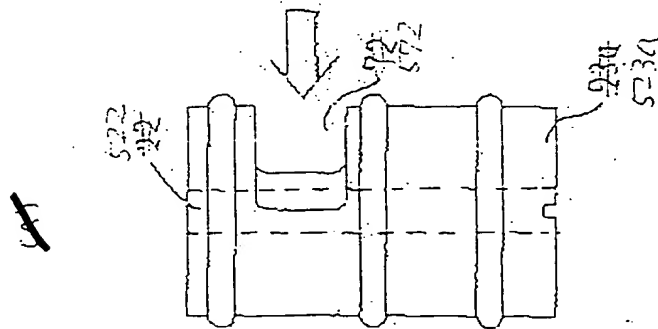
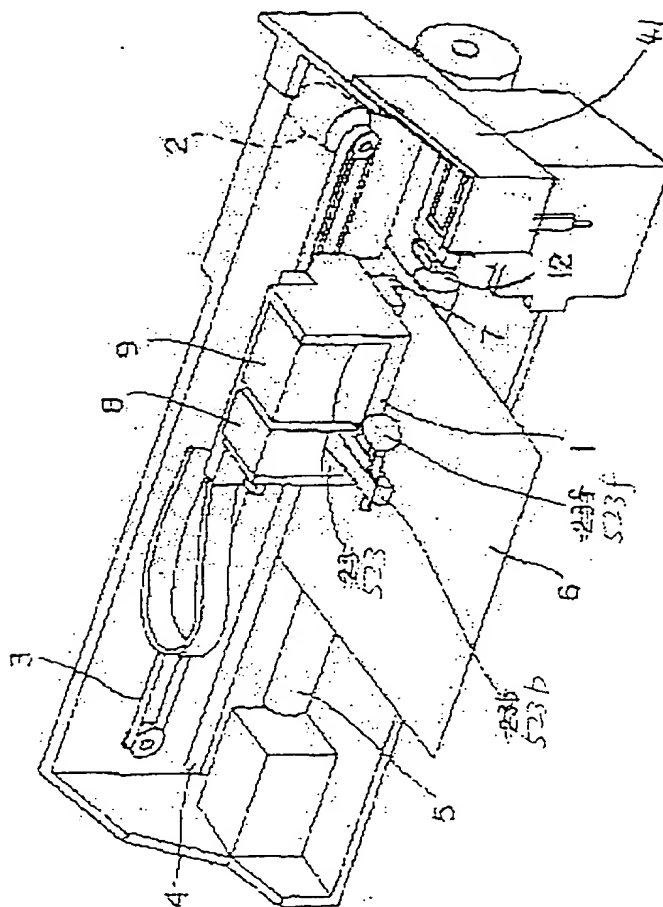


Fig. 15A



~~【☒ 6】~~

Fig. 16



~~【凶 卒】~~

Fig. 17B

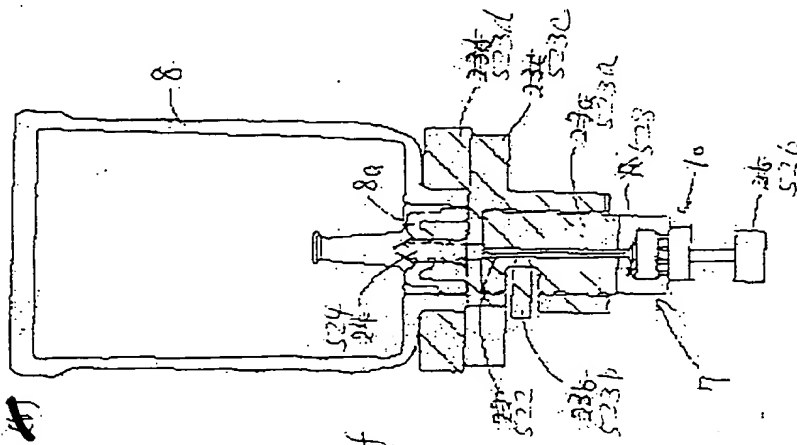
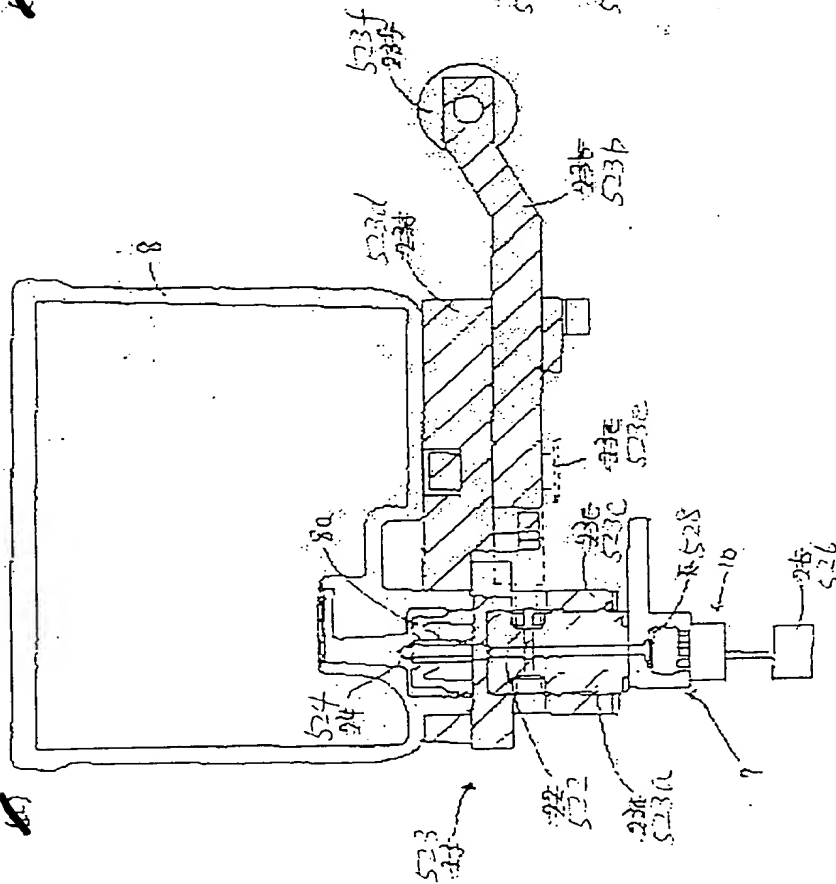


Fig. 17A



~~18~~
[圖 8]

Fig. 18A

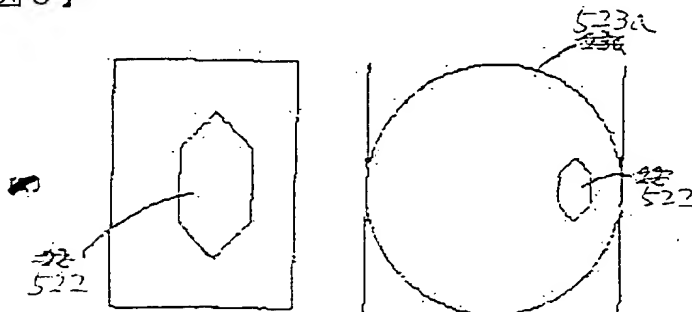


Fig. 18B

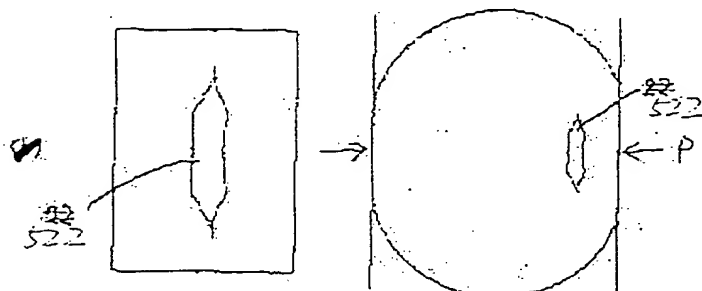


Fig. 18C

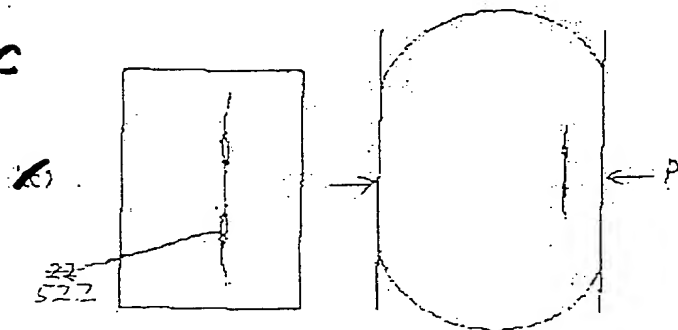
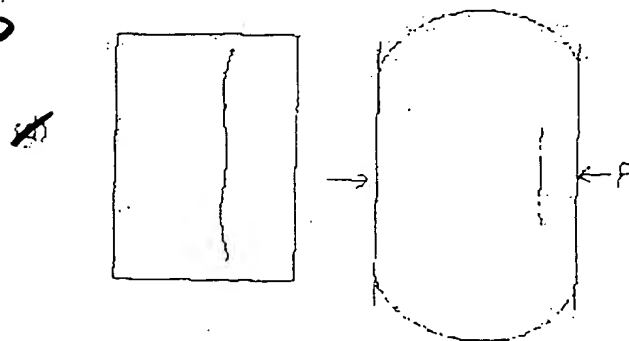


Fig. 18D



【図9】

Fig. 19A

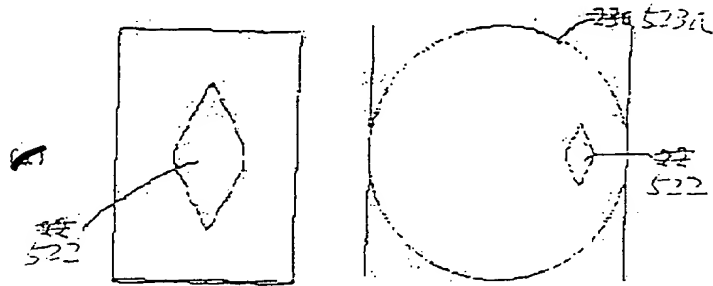


Fig. 19B

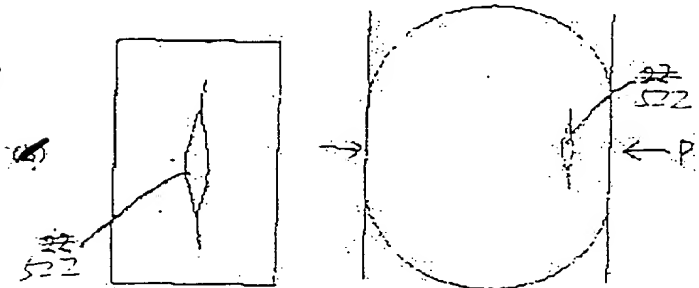


Fig. 19C

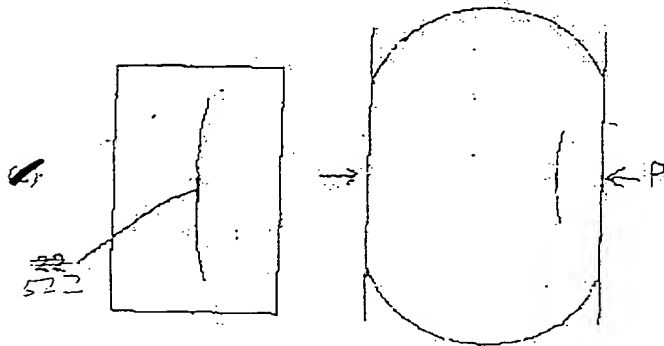
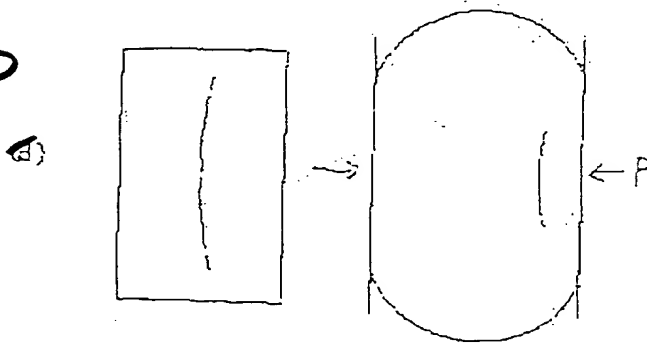


Fig. 19D



~~[図 10]~~

Fig. 20A

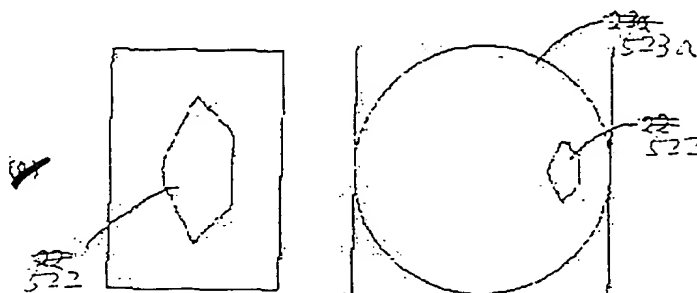


Fig. 20B

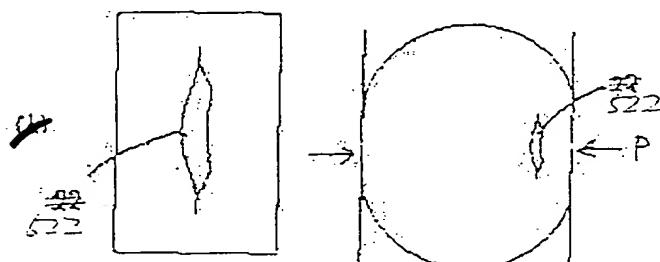


Fig. 20C

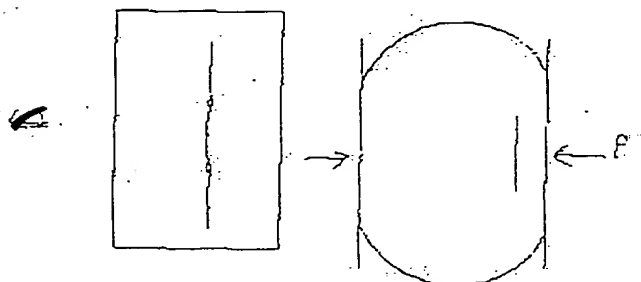
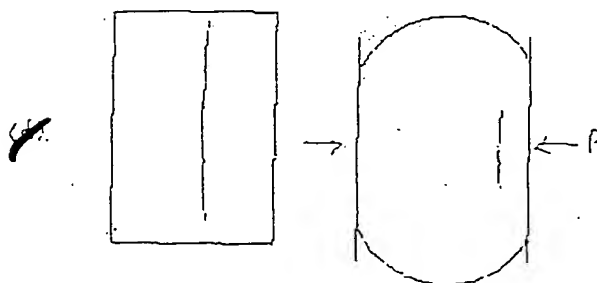


Fig. 20D



~~【図1】~~

Fig. 21A

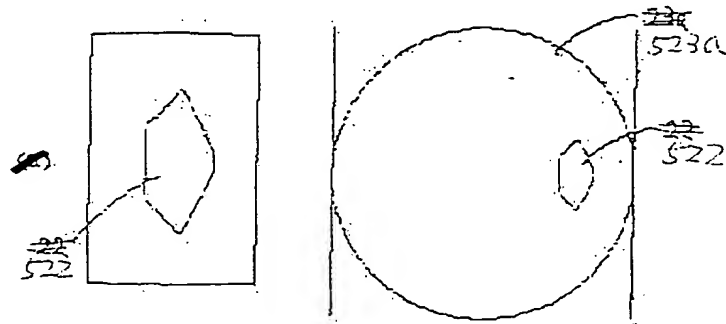


Fig. 21B

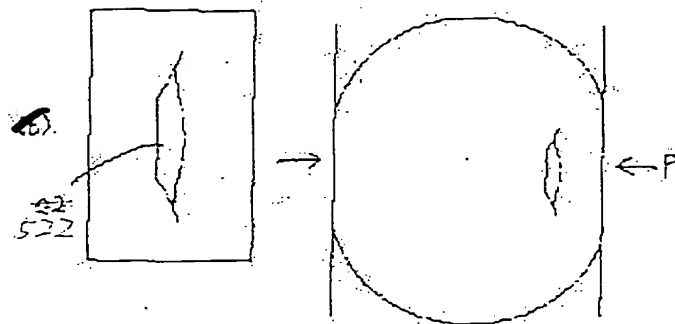
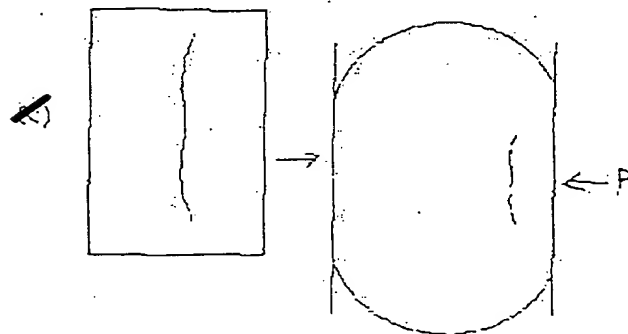
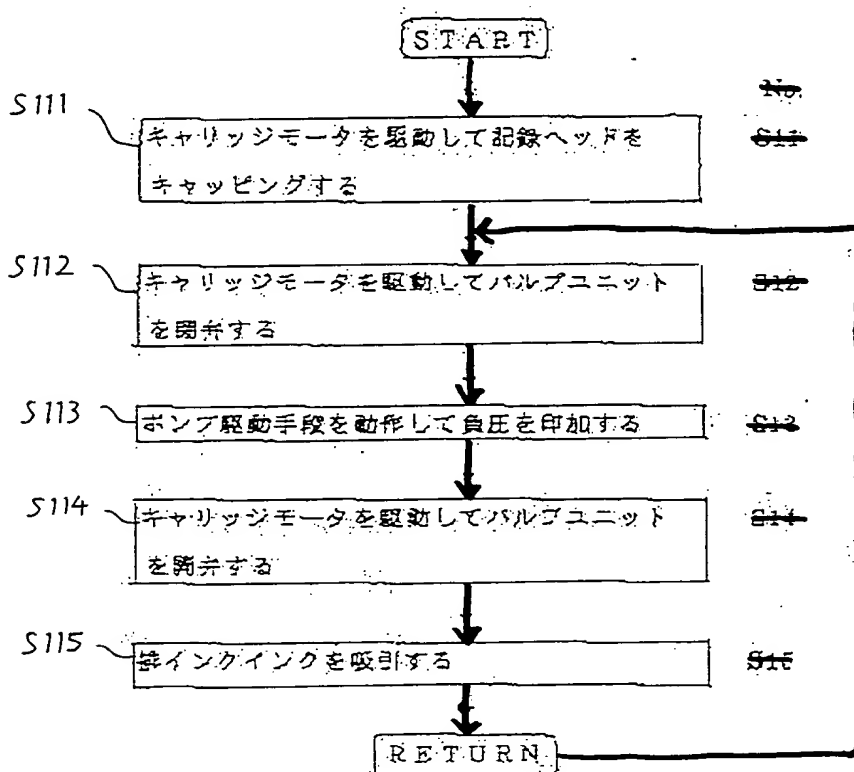


Fig. 21C



22
【図12】

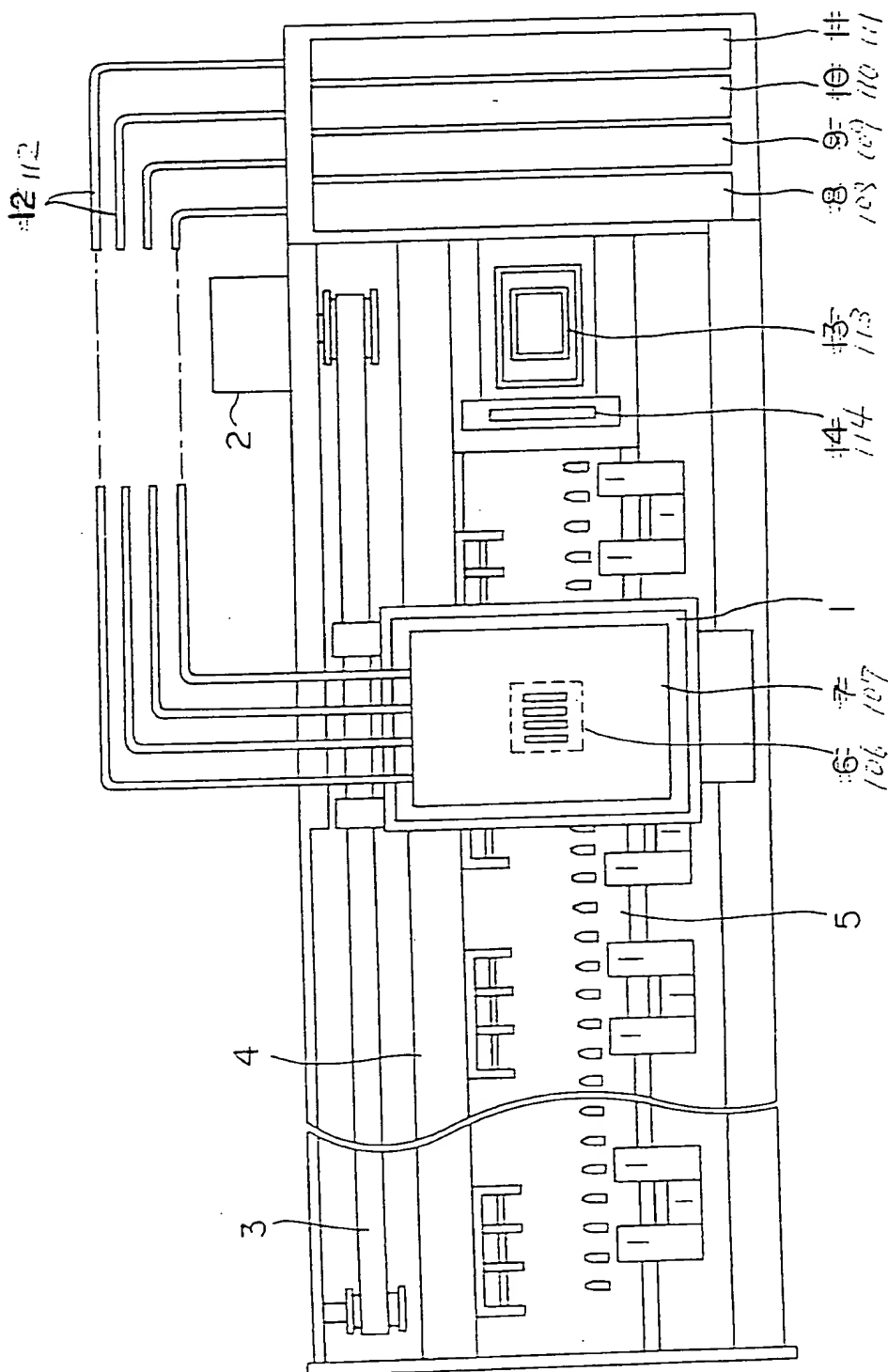
Fig. 22



- S111: drive carriage motor and cap recording head
- S112: drive carriage motor and close valve unit
- S113: operate pump driver for applying negative pressure
- S114: drive carriage motor and open valve unit
- S115: suck waste ink

Fig. 23

【图 4】



~~24~~
【图10】

Fig. 24

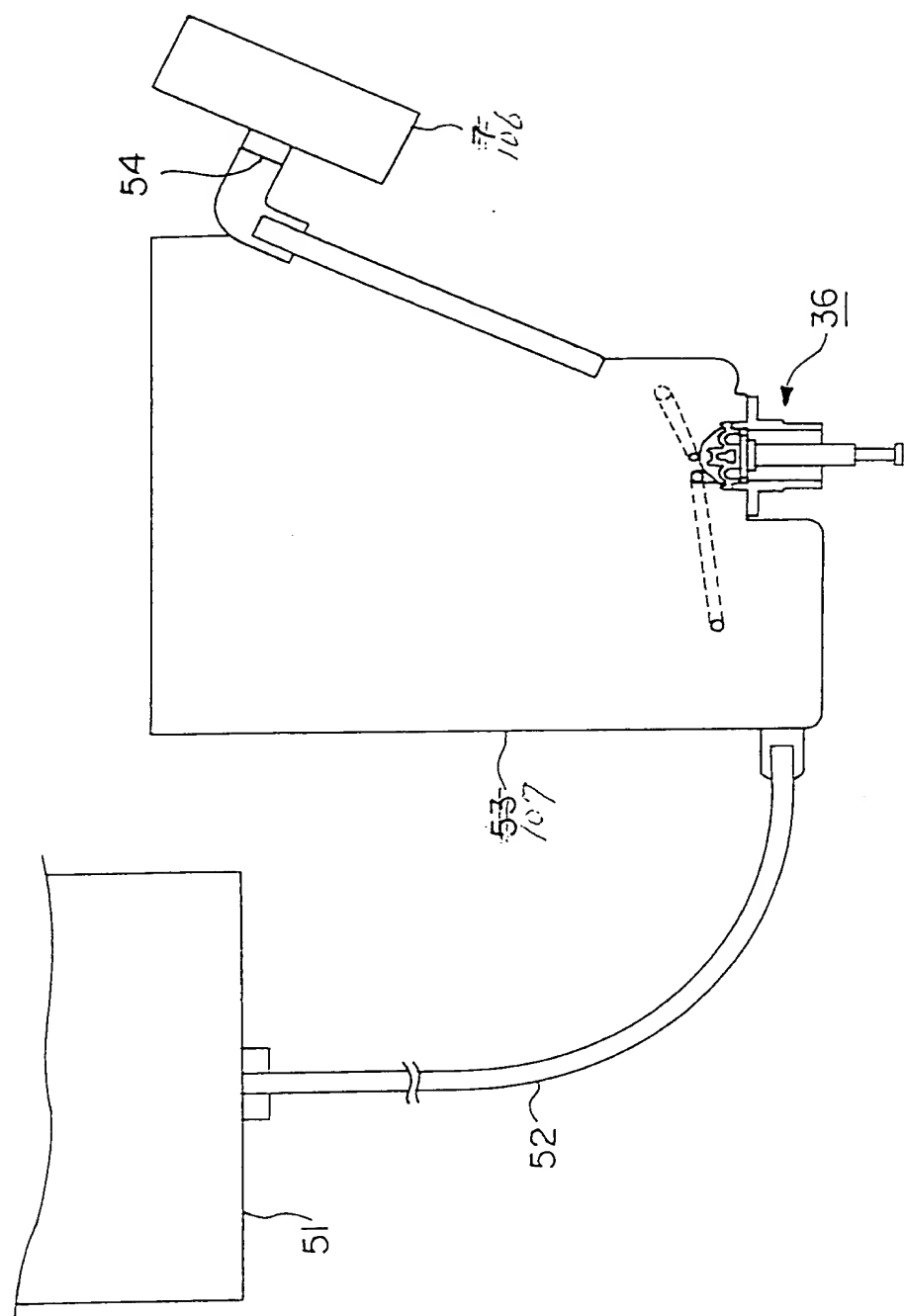
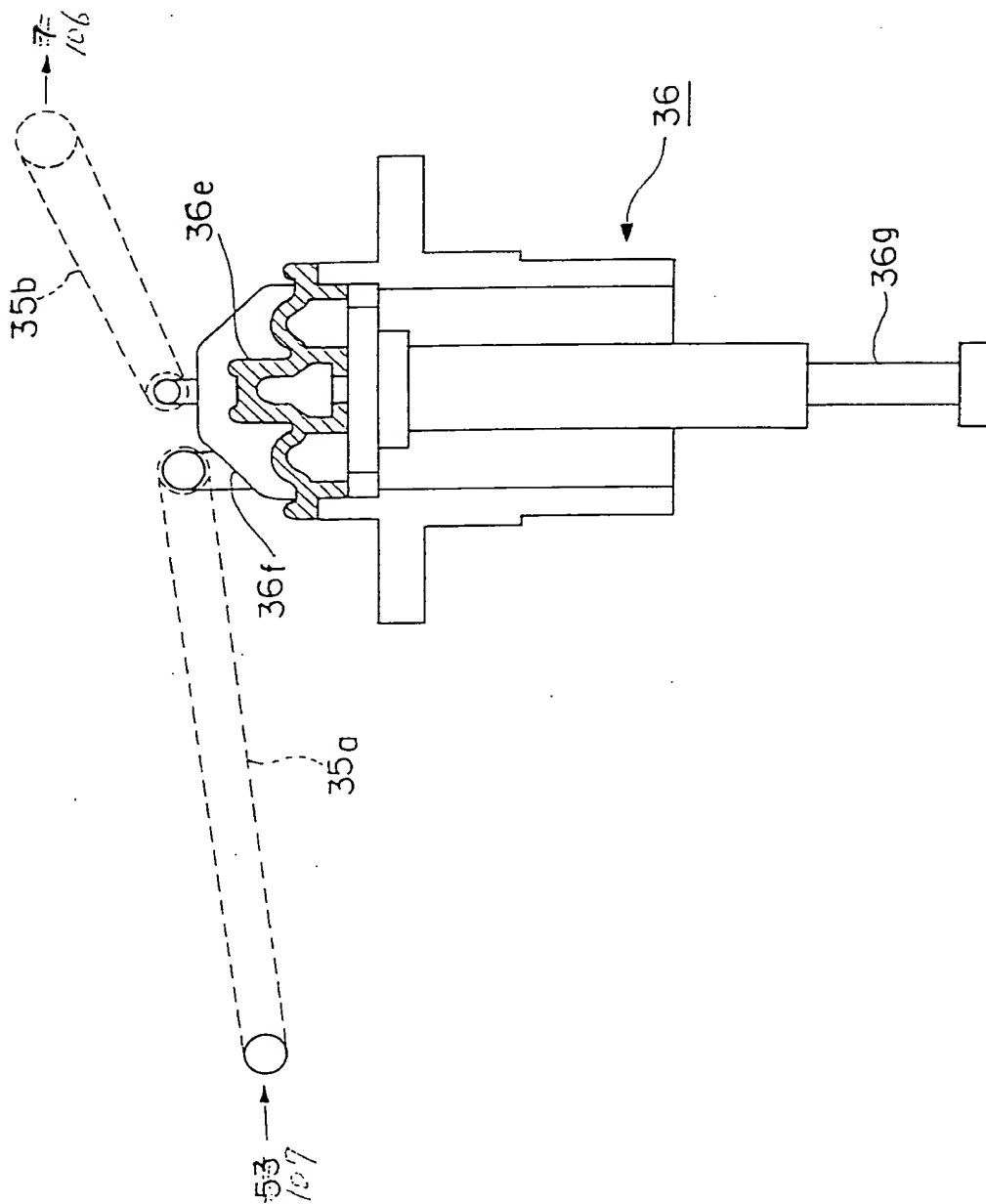


Fig. 25



26
[X] 26

Fig. 26

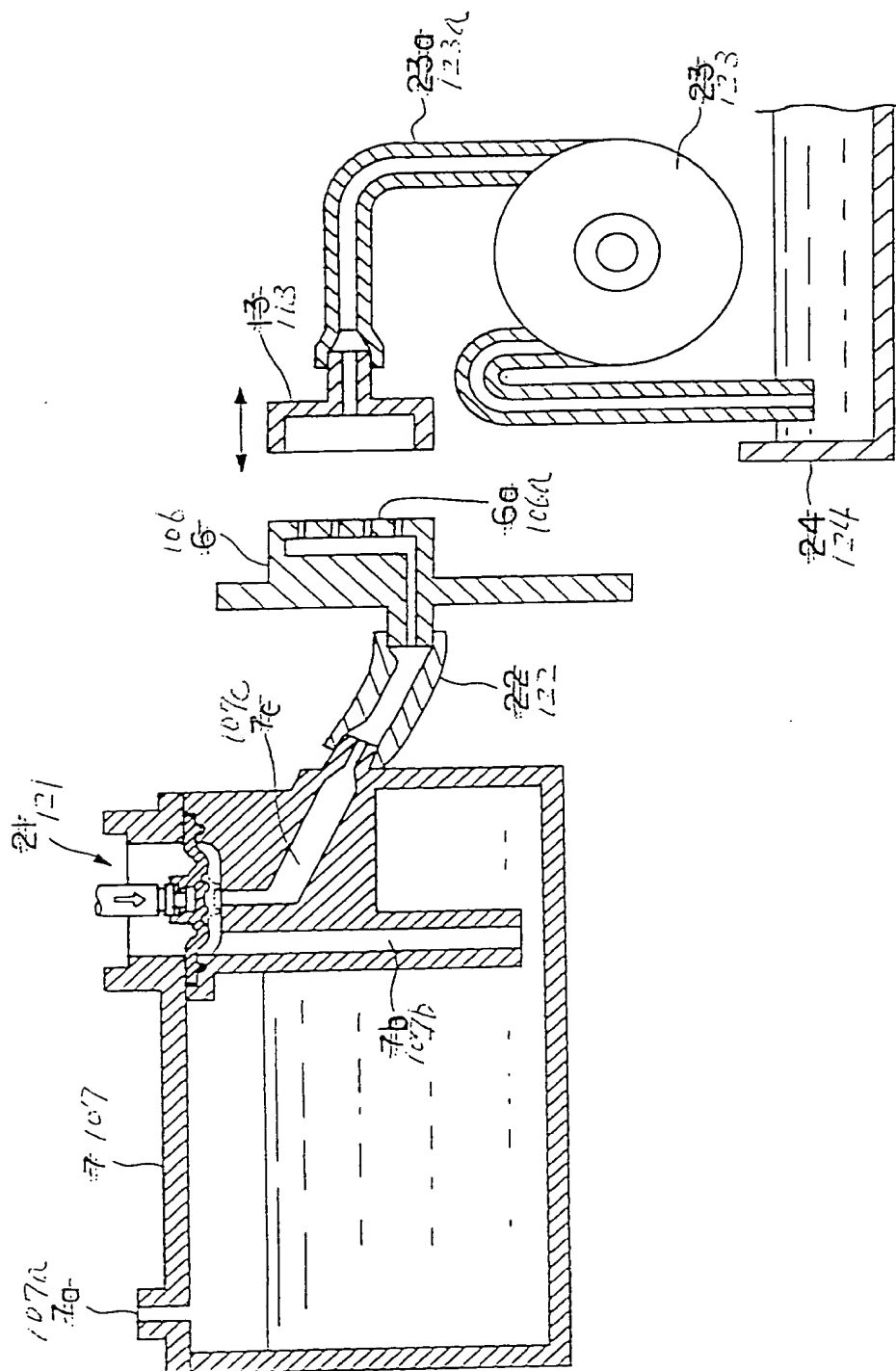
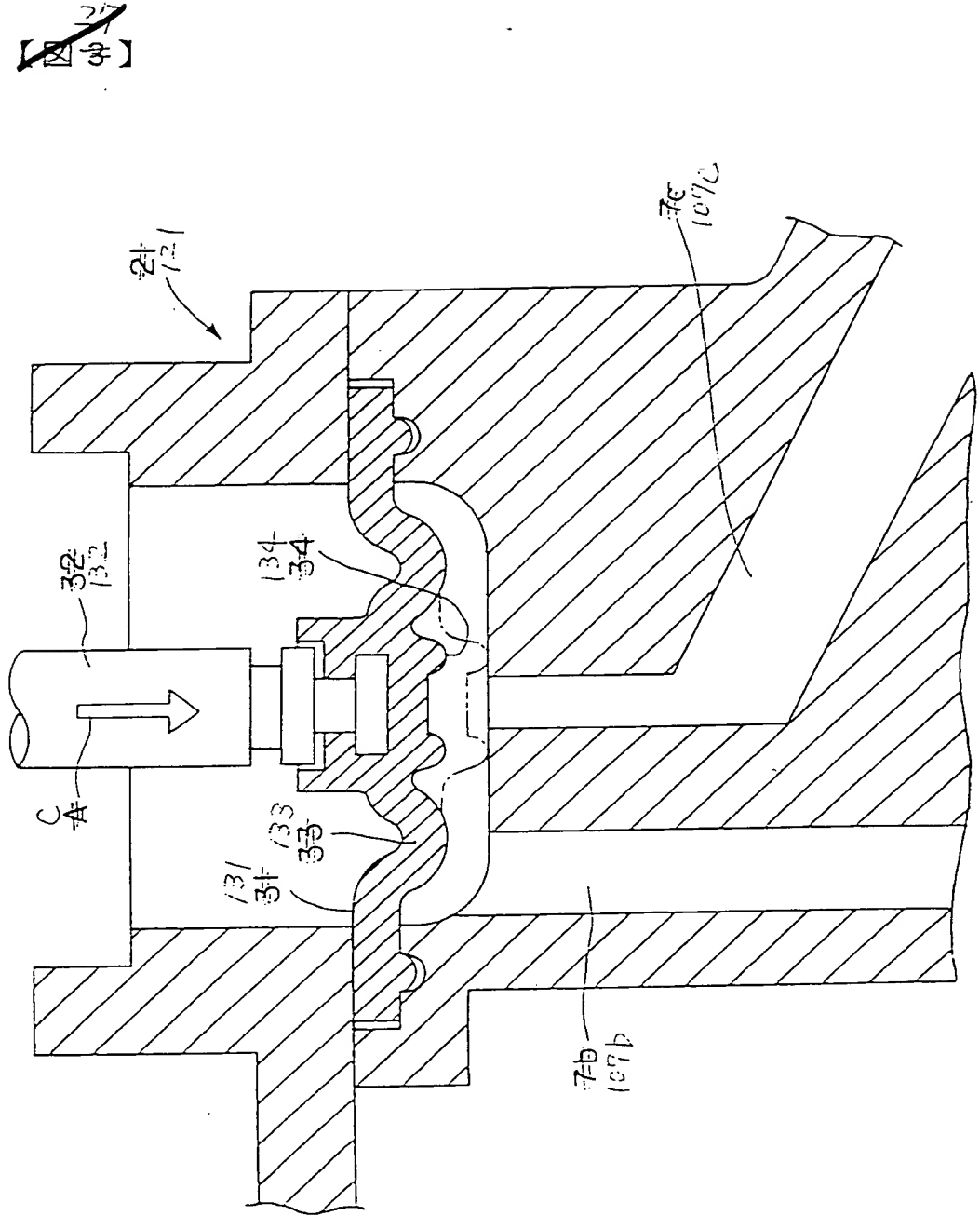


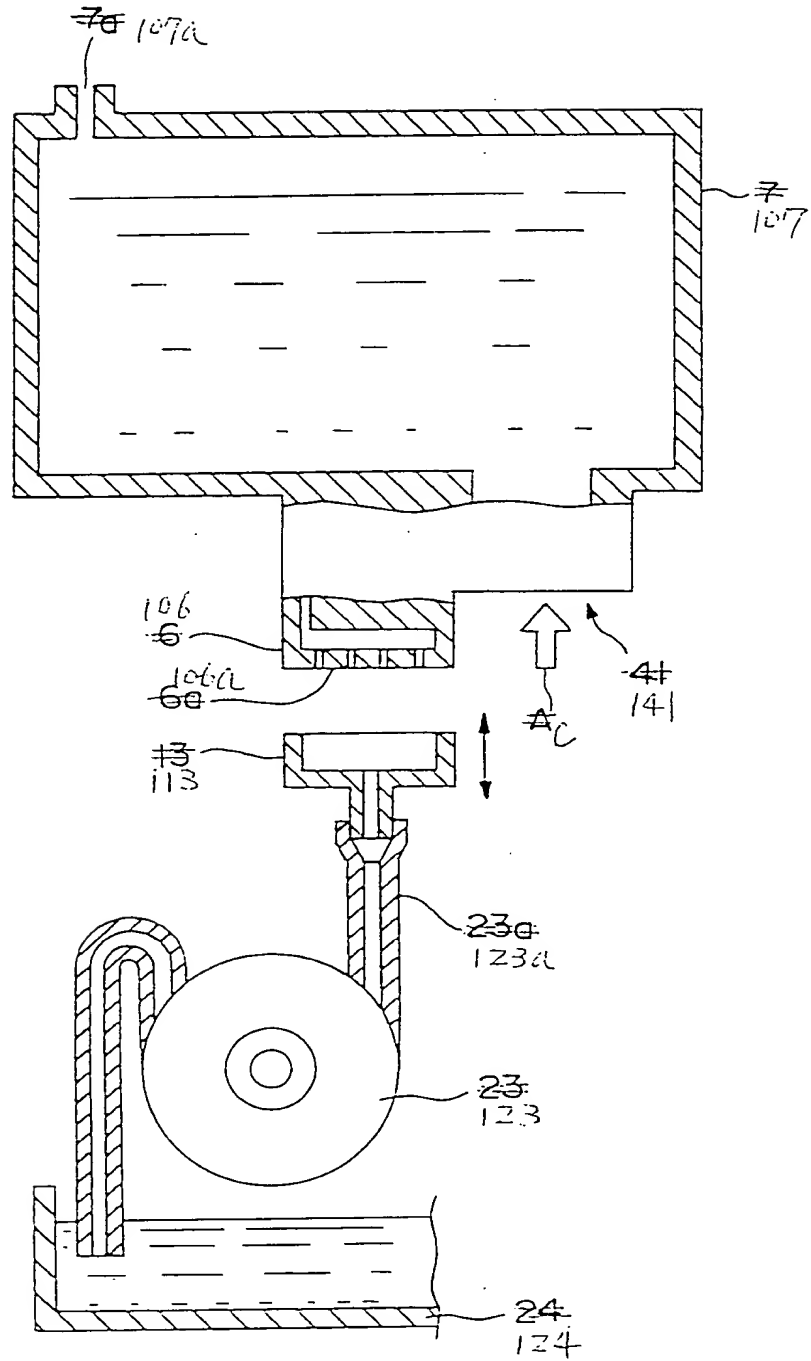
Fig. 27



27
【図 27】

Fig. 28

~~28~~
[4]



27
【图5】

Fig. 29

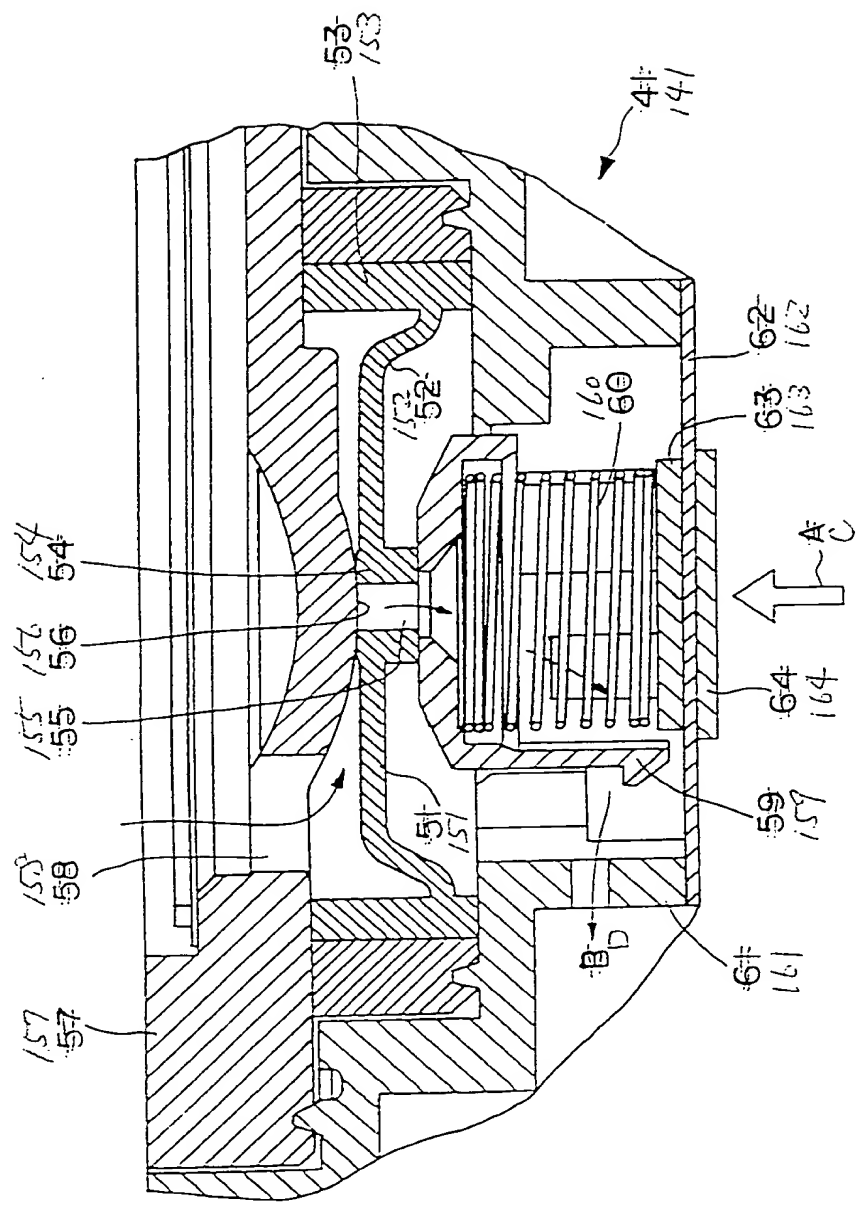
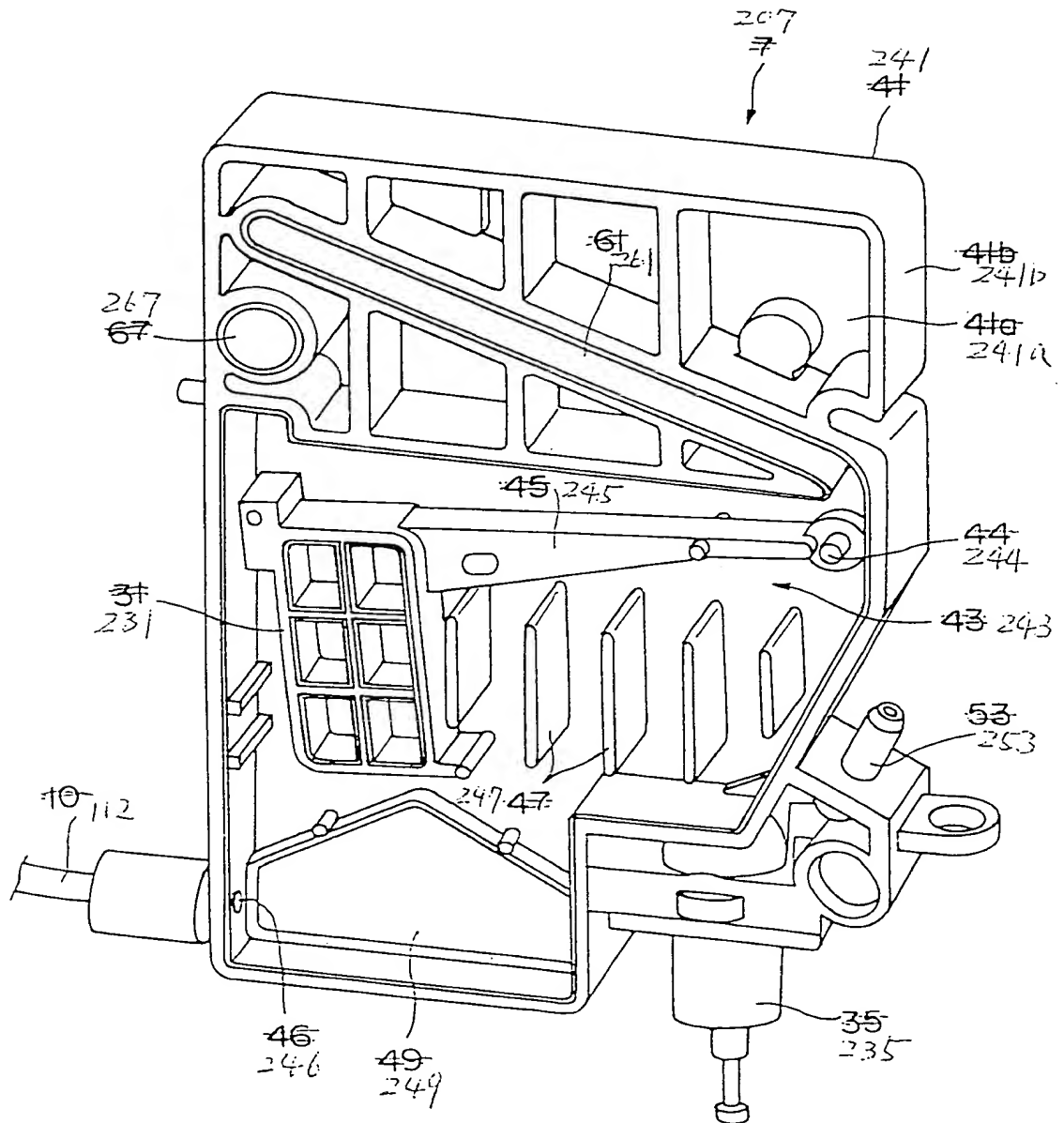


Fig. 31

31
【図3】



32
[图 4]

Fig. 32

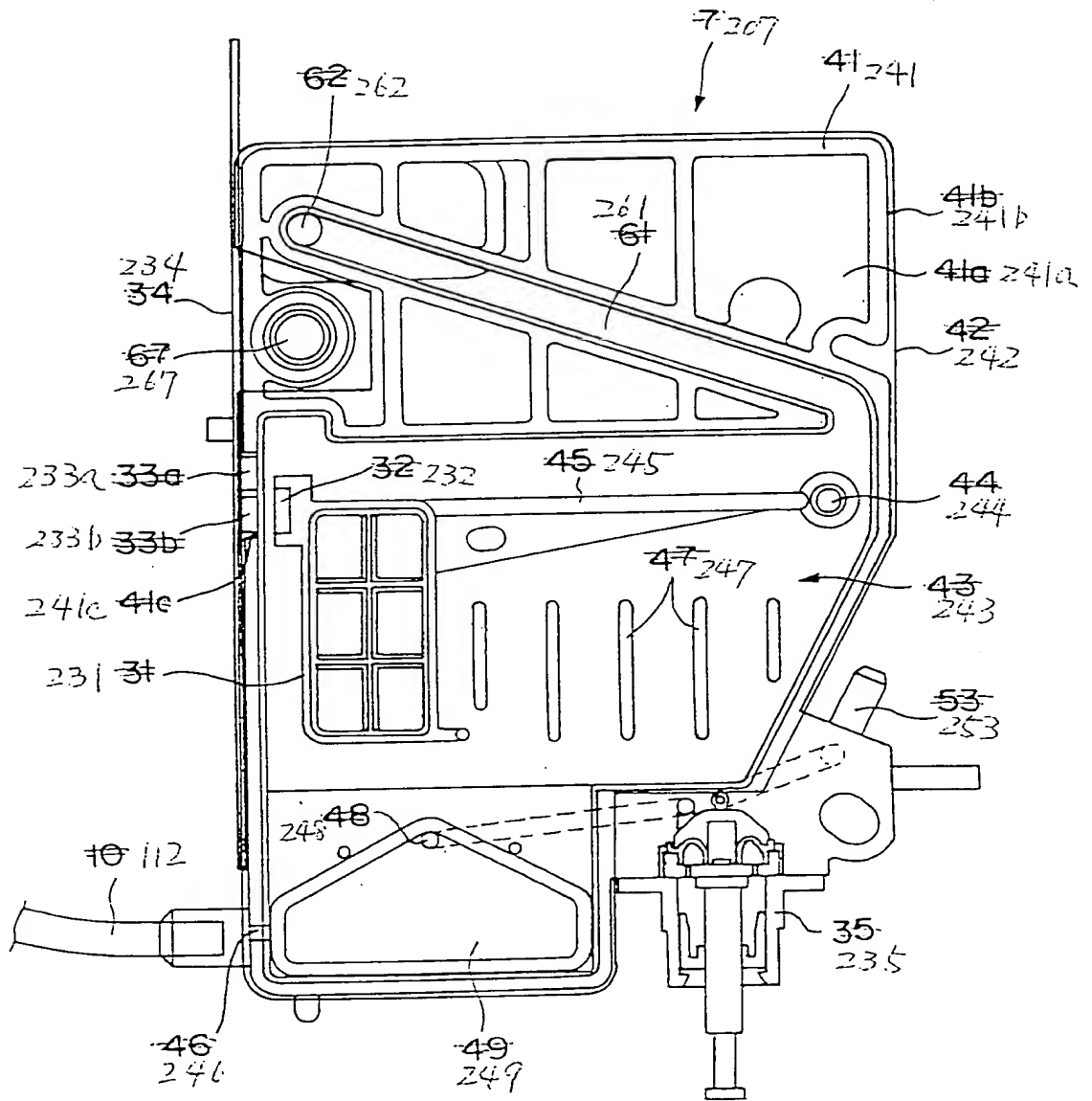


Fig. 33

~~33~~
[5]

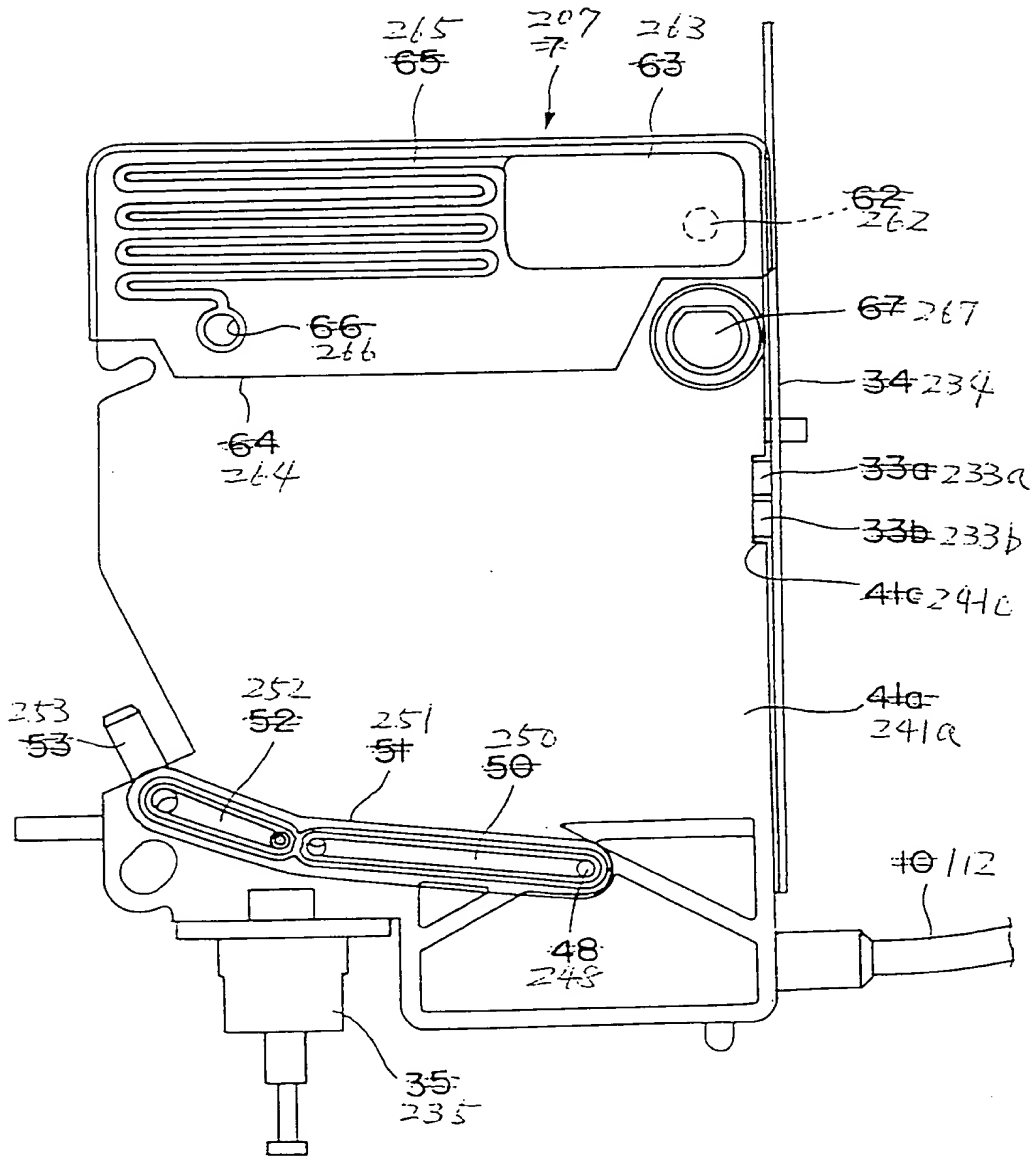
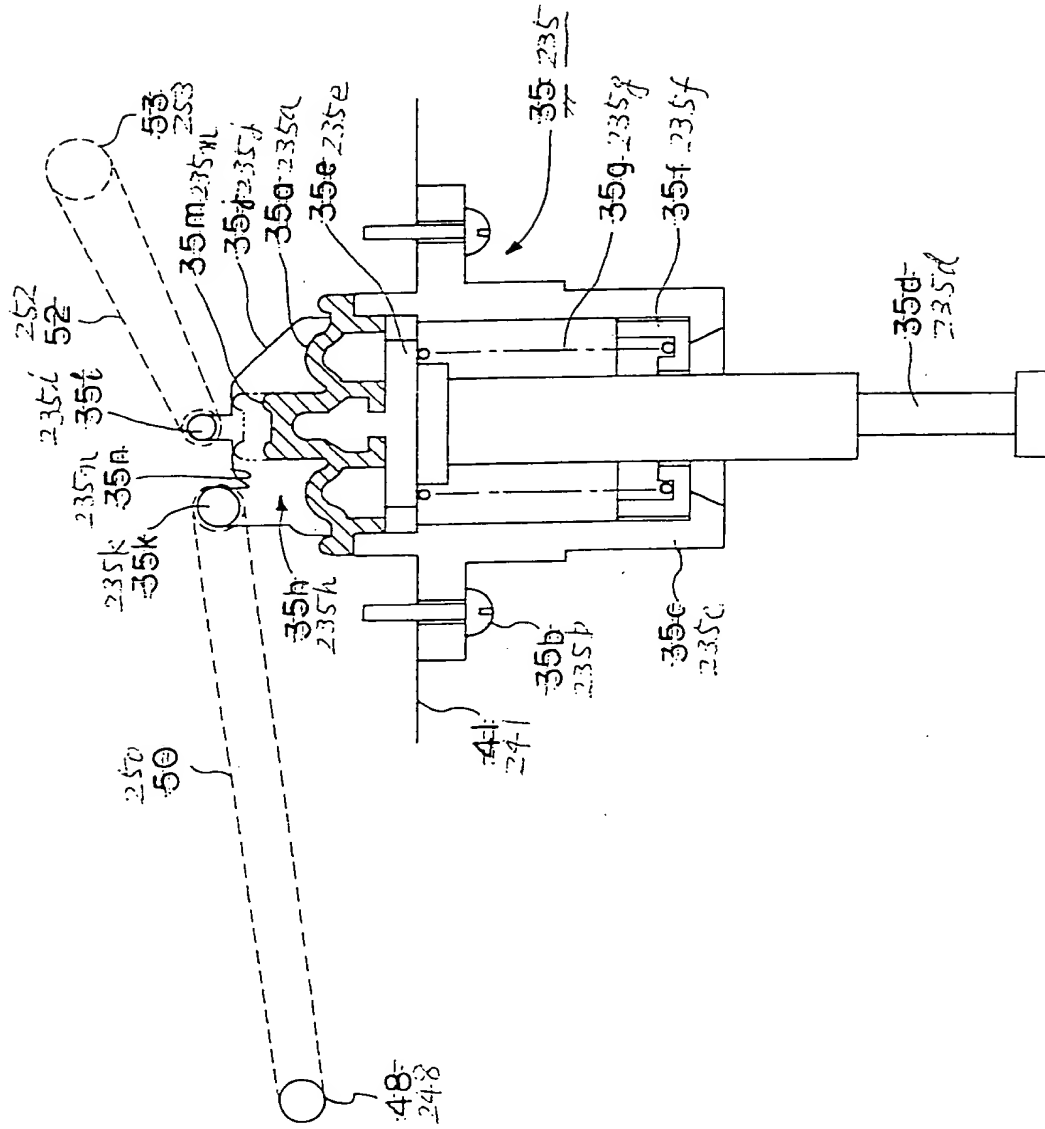


Fig. 34



[X] W
 [X] H

This diagram shows a detailed cross-section of a mechanical assembly. A central shaft passes through several components. On the left side, there are two circular features labeled 235j and 235k. The main body of the assembly has various internal features and surfaces labeled with numerals such as 235l, 235m, 235n, 235o, 235p, 235q, 235r, 235s, 235t, 235u, 235v, 235w, 235x, 235y, 235z, 235aa, 235ab, 235ac, 235ad, 235ae, 235af, 235ag, 235ah, 235ai, 235aj, 235ak, 235al, 235am, 235an, 235ao, 235ap, 235aq, 235ar, 235as, 235at, 235au, 235av, 235aw, 235ax, 235ay, 235az, 235ba, 235bb, 235bc, 235bd, 235be, 235bf, 235bg, 235bh, 235bi, 235bj, 235bk, 235bl, 235bm, 235bn, 235bo, 235bp, 235bq, 235br, 235bs, 235bt, 235bu, 235bv, 235bw, 235bx, 235by, 235bz, 235ca, 235cb, 235cc, 235cd, 235ce, 235cf, 235cg, 235ch, 235ci, 235cj, 235ck, 235cl, 235cm, 235cn, 235co, 235cp, 235cq, 235cr, 235cs, 235ct, 235cu, 235cv, 235cw, 235cx, 235cy, 235cz, 235da, 235db, 235dc, 235dd, 235de, 235df, 235dg, 235dh, 235di, 235dj, 235dk, 235dl, 235dm, 235dn, 235do, 235dp, 235dq, 235dr, 235ds, 235dt, 235du, 235dv, 235dw, 235dx, 235dy, 235dz, 235ea, 235eb, 235ec, 235ed, 235ee, 235ef, 235eg, 235eh, 235ei, 235ej, 235ek, 235el, 235em, 235en, 235eo, 235ep, 235eq, 235er, 235es, 235et, 235eu, 235ev, 235ew, 235ex, 235ey, 235ez, 235fa, 235fb, 235fc, 235fd, 235fe, 235ff, 235fg, 235fh, 235fi, 235fj, 235fk, 235fl, 235fm, 235fn, 235fo, 235fp, 235fq, 235fr, 235fs, 235ft, 235fu, 235fv, 235fw, 235fx, 235fy, 235fz, 235ga, 235gb, 235gc, 235gd, 235ge, 235gf, 235gg, 235gh, 235gi, 235gj, 235gk, 235gl, 235gm, 235gn, 235go, 235gp, 235gq, 235gr, 235gs, 235gt, 235gu, 235gv, 235gw, 235gx, 235gy, 235gz, 235ha, 235hb, 235hc, 235hd, 235he, 235hf, 235hg, 235hh, 235hi, 235hj, 235hk, 235hl, 235hm, 235hn, 235ho, 235hp, 235hq, 235hr, 235hs, 235ht, 235hu, 235hv, 235hw, 235hx, 235hy, 235hz, 235ia, 235ib, 235ic, 235id, 235ie, 235if, 235ig, 235ih, 235ii, 235ij, 235ik, 235il, 235im, 235in, 235io, 235ip, 235iq, 235ir, 235is, 235it, 235iu, 235iv, 235iw, 235ix, 235iy, 235iz, 235ja, 235jb, 235jc, 235jd, 235je, 235jf, 235jg, 235jh, 235ji, 235jj, 235jk, 235jl, 235jm, 235jn, 235jo, 235jp, 235jq, 235jr, 235js, 235jt, 235ju, 235jv, 235jw, 235jx, 235jy, 235jz, 235ka, 235kb, 235kc, 235kd, 235ke, 235kf, 235kg, 235kh, 235ki, 235kj, 235kl, 235km, 235kn, 235ko, 235kp, 235kq, 235kr, 235ks, 235kt, 235ku, 235kv, 235kw, 235kx, 235ky, 235kz, 235la, 235lb, 235lc, 235ld, 235le, 235lf, 235lg, 235lh, 235li, 235lj, 235lk, 235ll, 235lm, 235ln, 235lo, 235lp, 235lq, 235lr, 235ls, 235lt, 235lu, 235lv, 235lw, 235lx, 235ly, 235lz, 235ma, 235mb, 235mc, 235md, 235me, 235mf, 235mg, 235mh, 235mi, 235mj, 235mk, 235ml, 235mn, 235mo, 235mp, 235mq, 235mr, 235ms, 235mt, 235mu, 235mv, 235mw, 235mx, 235my, 235mz, 235na, 235nb, 235nc, 235nd, 235ne, 235nf, 235ng, 235nh, 235ni, 235nj, 235nk, 235nl, 235nm, 235nn, 235no, 235np, 235nq, 235nr, 235ns, 235nt, 235nu, 235nv, 235nw, 235nx, 235ny, 235nz, 235oa, 235ob, 235oc, 235od, 235oe, 235of, 235og, 235oh, 235oi, 235oj, 235ok, 235ol, 235om, 235on, 235oo, 235op, 235oq, 235or, 235os, 235ot, 235ou, 235ov, 235ow, 235ox, 235oy, 235oz, 235pa, 235pb, 235pc, 235pd, 235pe, 235pf, 235pg, 235ph, 235pi, 235pj, 235pk, 235pl, 235pm, 235pn, 235po, 235pp, 235pq, 235pr, 235ps, 235pt, 235pu, 235pv, 235pw, 235px, 235py, 235pz, 235qa, 235qb, 235qc, 235qd, 235qe, 235qf, 235qg, 235qh, 235qi, 235qj, 235qk, 235ql, 235qm, 235qn, 235qo, 235qp, 235qq, 235qr, 235qs, 235qt, 235qu, 235qv, 235qw, 235qx, 235qy, 235qz, 235ra, 235rb, 235rc, 235rd, 235re, 235rf, 235rg, 235rh, 235ri, 235rj, 235rk, 235rl, 235rm, 235rn, 235ro, 235rp, 235rq, 235rr, 235rs, 235rt, 235ru, 235rv, 235rw, 235rx, 235ry, 235rz, 235sa, 235sb, 235sc, 235sd, 235se, 235sf, 235sg, 235sh, 235si, 235sj, 235sk, 235sl, 235sm, 235sn, 235so, 235sp, 235sq, 235sr, 235ss, 235st, 235su, 235sv, 235sw, 235sx, 235sy, 235sz, 235ta, 235tb, 235tc, 235td, 235te, 235tf, 235tg, 235th, 235ti, 235tj, 235tk, 235tl, 235tm, 235tn, 235to, 235tp, 235tq, 235tr, 235ts, 235tt, 235tu, 235tv, 235tw, 235tx, 235ty, 235tz, 235ua, 235ub, 235uc, 235ud, 235ue, 235uf, 235ug, 235uh, 235ui, 235uj, 235uk, 235ul, 235um, 235un, 235uo, 235up, 235uq, 235ur, 235us, 235ut, 235uu, 235uv, 235uw, 235ux, 235uy, 235uz, 235va, 235vb, 235vc, 235vd, 235ve, 235vf, 235vg, 235vh, 235vi, 235vj, 235vk, 235vl, 235vm, 235vn, 235vo, 235vp, 235vq, 235vr, 235vs, 235vt, 235vu, 235vv, 235vw, 235vx, 235vy, 235vz, 235wa, 235wb, 235wc, 235wd, 235we, 235wf, 235wg, 235wh, 235wi, 235wj, 235wk, 235wl, 235wm, 235wn, 235wo, 235wp, 235wq, 235wr, 235ws, 235wt, 235wu, 235wv, 235ww, 235wx, 235wy, 235wz, 235xa, 235xb, 235xc, 235xd, 235xe, 235xf, 235xg, 235xh, 235xi, 235xj, 235xk, 235xl, 235xm, 235xn, 235xo, 235xp, 235xq, 235xr, 235xs, 235xt, 235xu, 235xv, 235xw, 235xx, 235xy, 235xz, 235ya, 235yb, 235yc, 235yd, 235ye, 235yf, 235yg, 235yh, 235yi, 235yj, 235yk, 235yl, 235ym, 235yn, 235yo, 235yp, 235yq, 235yr, 235ys, 235yt, 235yu, 235yv, 235yw,

Fig. 36

Fig. 36

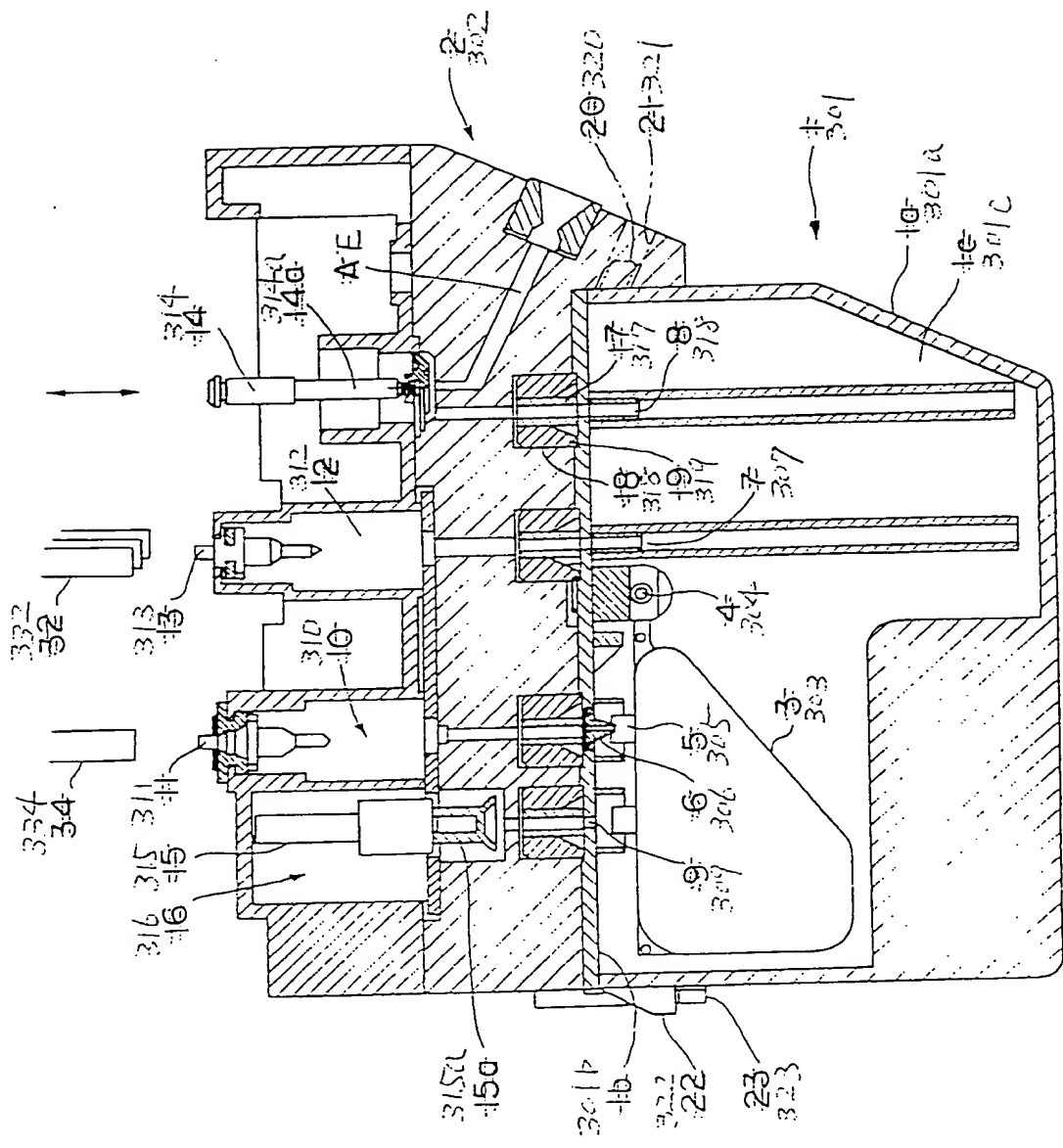
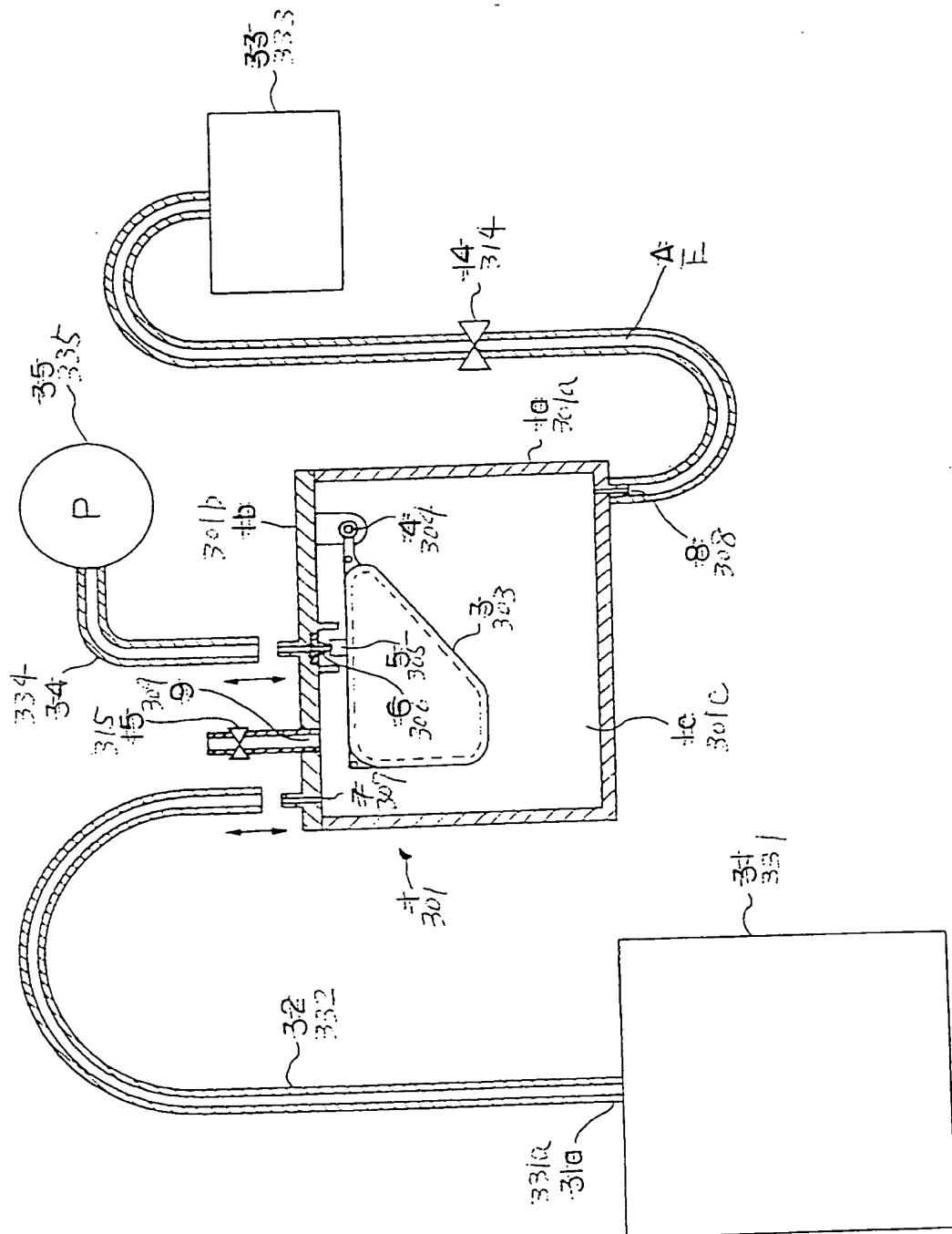


Fig. 36

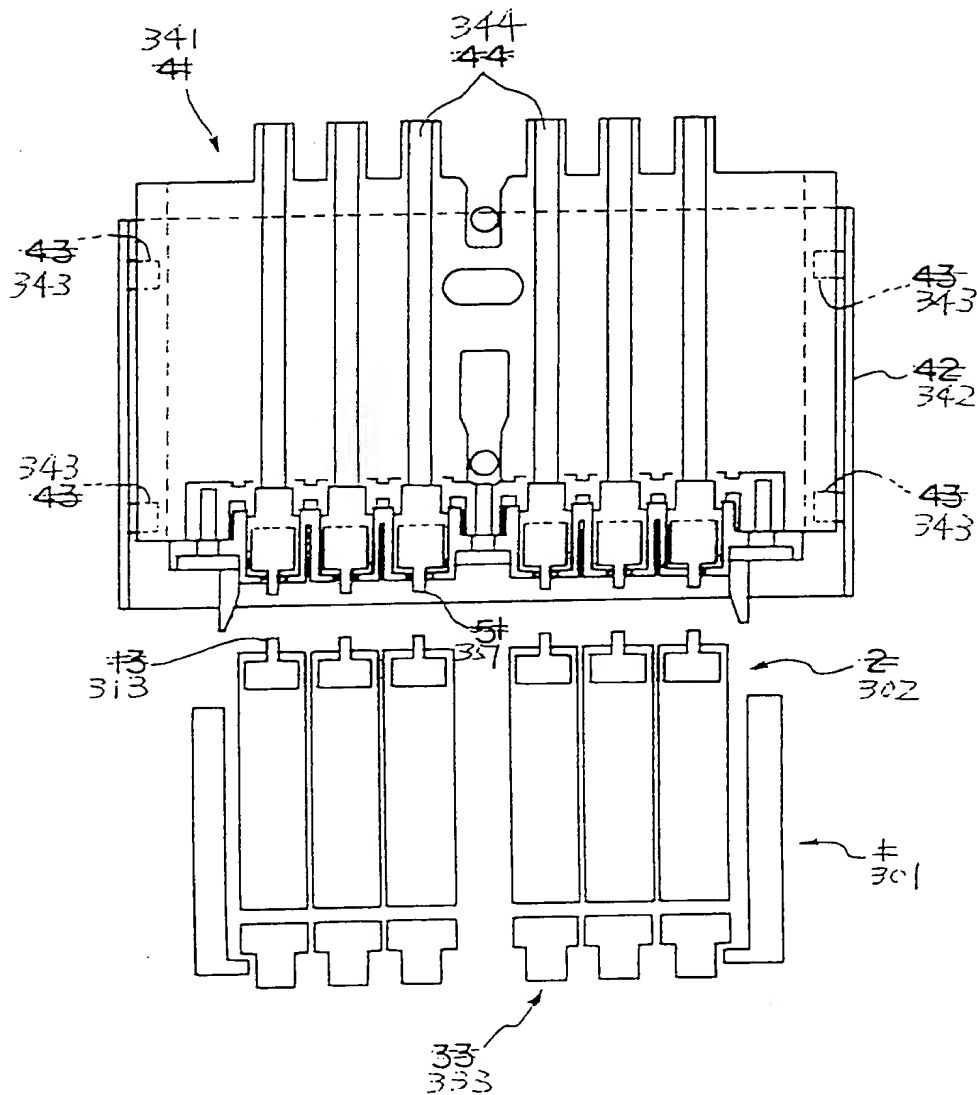
Fig. 37

37
[X 4]



~~38~~
[38]

Fig. 38



39
【図 4】

Fig. 39

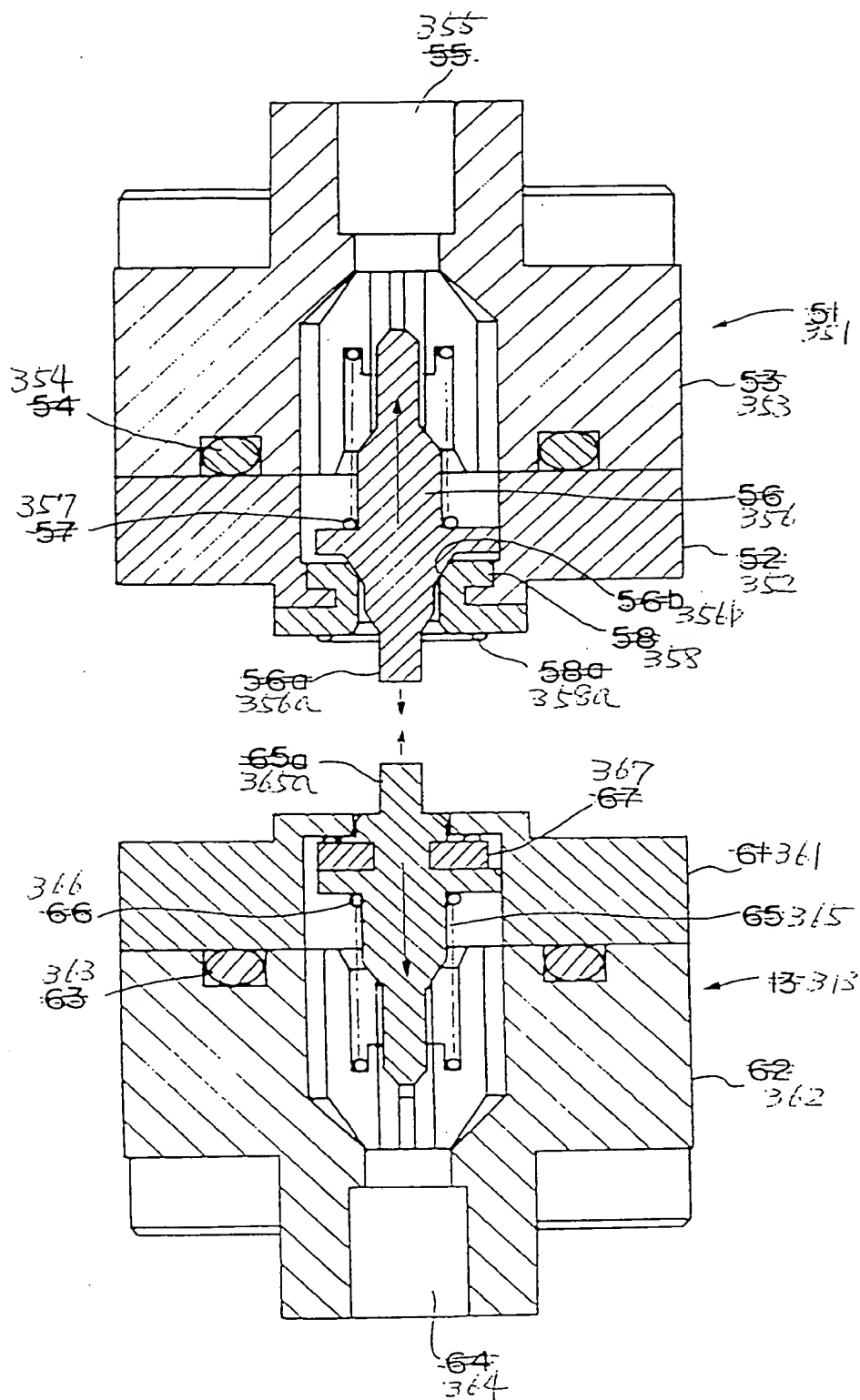
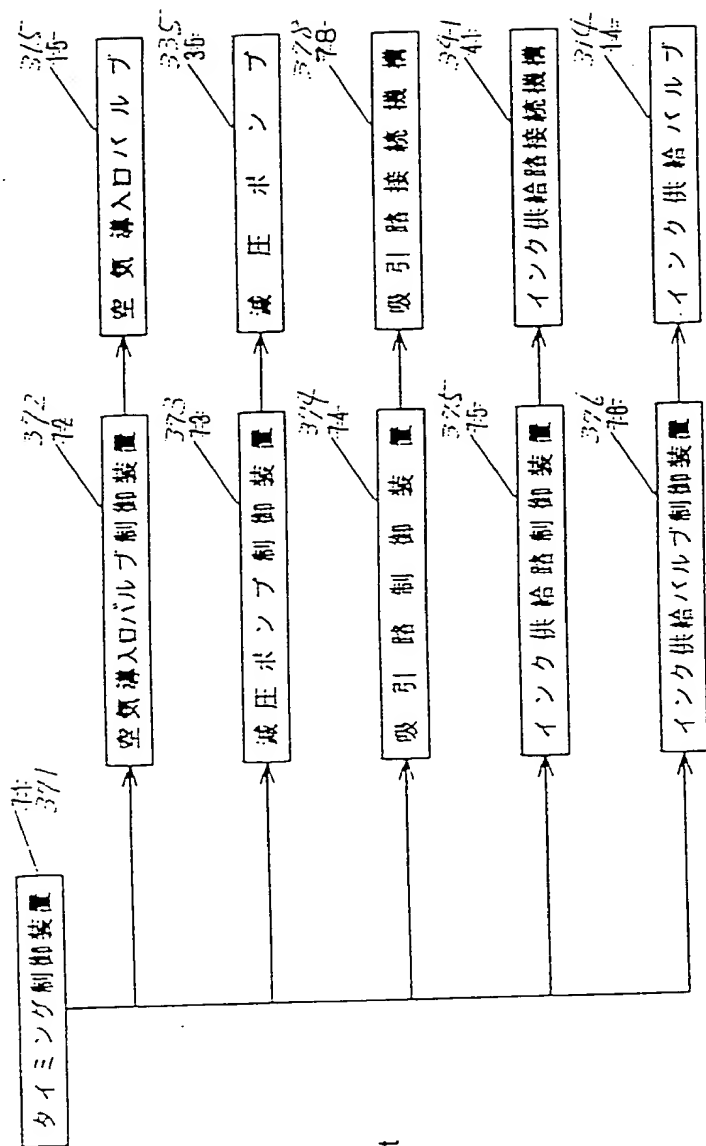
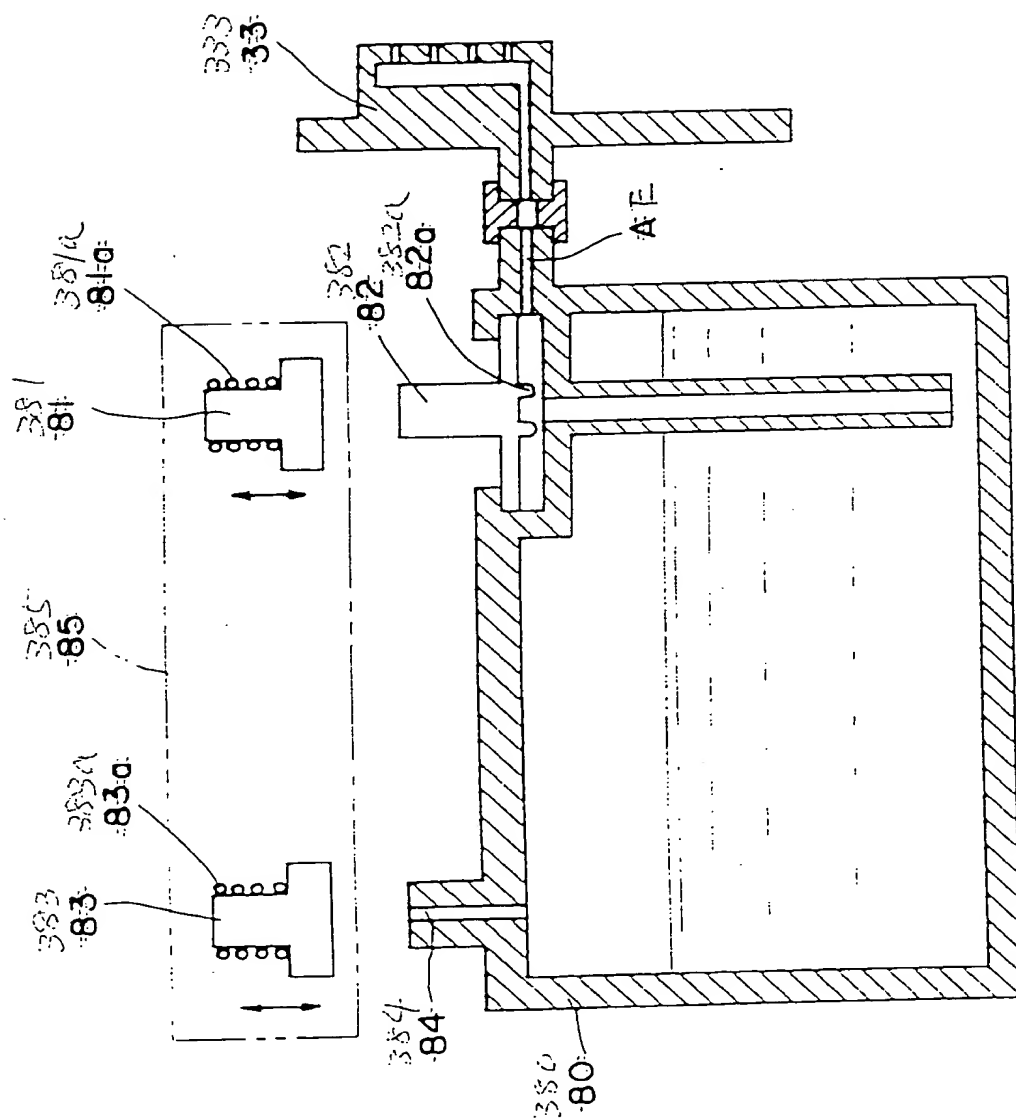


Fig. 40



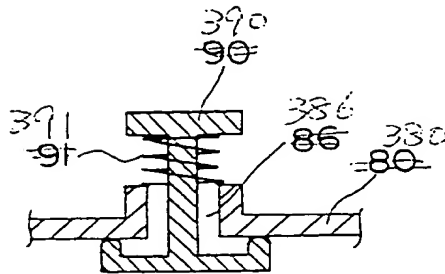
- 314: ink supply valve unit
- 315: air introduction valve
- 335: decompressor pump
- 341: ink supply passage connecting unit
- 371: timing controller
- 372: air introduction valve controller
- 373: decompressor pump controller
- 374: suction passage controller
- 375: ink supply passage controller
- 376: ink supply valve controller
- 378: suction channel connecting unit

Fig. 41



42
【~~图7~~】

Fig. 42



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~~43~~
【~~図 1-2~~】

Fig. 43

